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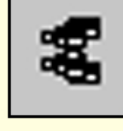
## Appliance Wiring Material

AWM Style Pages through June 1, 2001  
(Updated Semiannually)

### AWM Guide Information

### AWM Style Pages

-  **1 Single-Conductor, Thermoplastic Insulation**  
Section 1 (ie, 1015, 10547)
-  **2 Multiple-Conductor, Thermoplastic Insulation**  
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-  **3 Single-Conductor, Thermoset Insulation**  
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Style 1001 Special PVC Insulated Wire.

---

Rating 80 deg. C, 300 Volts.

---

\*Conductor No. 30-16 AWG, solid or stranded.

---

Insulation Extruded semi-rigid PVC: 9 mils minimum average,  
7 mils minimum at any point.

---

\*Covering Extruded Zytel 33 Nylon in 2 mil minimum  
thickness or Lacquered Braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative before aging.  
\* Flexing.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring on Electric Bookkeeping, Accounting, or  
Time-Recording Machines or in Electronic Equipment where  
protected from mechanical abuse.

Style 1002            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Shielded Wire with 1/32-Inch Jacket.

---

Rating                60°C, 600 V.

---

\*Conductor            26-16 AWG consisting of No. 30 AWG copper stranding,  
tinned or bare.

---

Insulation            Nominal 1/32-Inch wall thermoplastic (PVC)  
\*                      Class 43.

---

\*Shielding            Optional.

---

Jacket                 Over the shielding a nominal 1/32-Inch thermoplastic (PVC)  
\*                      Class 43 jacket shall be applied.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation and Jacket,  
\*Representative        same as for Class 43.  
\*                        Spark Test, 3000 V.

---

UL                     (4) Detailed Examination.  
\*Counter-Check        (4) Insulation and Jacket, Class 43.  
\*Program                (4) Heat Shock, Class 43.  
\*                        (4) Deformation, Class 43.  
\*                        (4) Cold Bend,  
\*                        (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Phonograph and Volume Control Use; or  
In the Internal Wiring of Appliances at temperatures  
not exceeding 60°C.

Style 1003 Nominal 1/32 in thermoplastic (Polyethylene) insulation, a nominal 7 mil conductive thermoplastic shield and a nominal 1/64 in thermoplastic (PVC) Jacket.

---

Rating 60°C, 300 Volts.

---

Conductor No. 26-16 AWG solid or stranded, tinned or bare copper.  
\*

---

Insulation Nominal 1/32 in wall of polyethylene or Flame-Retardant Polyethylene.

---

\*Shielding Optional.

---

Jacket Over the shielding a nominal 1/64 in thermoplastic (PVC) Jacket shall be applied. (Class 43). The color of the Jacket shall be other than black.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation before aging  
\*Representative (For Polyethylene and for Flame-Retardant Polyethylene),  
Tensile Strength and Elongation of Jacket, same as for  
\* Class 43.  
\* Spark Test, 3000 V.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation, for Polyethylene and for  
Program Flame-Retardant Polyethylene.  
\* (4) Jacket, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to temperature not exceeding 60°C.

Style 1004 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, Voltage not specified.

---

Conductor 30-16 AWG solid or stranded, tinned or bare copper.  
\*

---

Insulation 8-Mil minimum average wall thermoplastic (PVC),  
6-Mil minimum at any point. (See Facing Page  
for compound).

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum at any point  
\* thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same  
\*Representative as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring  
of Appliances where exposed to oil at a temperature  
not exceeding (60°C or 80°C, whichever is applicable).

Style 1005 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, Voltage not specified.

---

\*Conductor 30-16 AWG solid or stranded, tinned or bare copper.

---

Insulation 8-Mil minimum average wall Thermoplastic (PVC),  
6-Mil minimum at any point. (See Facing Page  
for Compound).

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum at any  
\* point thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring  
of Appliances where exposed to oil at a temperature  
not exceeding (60°C or 80°C, whichever is applicable).

Style 1006 Thermoplastic (PVC) - Insulated Wire.

---

Rating 105°C, Voltage not specified.

---

Conductor 30-16 AWG. Solid or stranded, tinned or bare copper.  
\*

---

Insulation 8-Mil minimum average wall Thermoplastic (PVC)  
6-Mil minimum at any point. (See Facing Page for  
Compound).

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum at any point  
\* thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring  
of Appliances where exposed to oil at a temperature  
not exceeding (60°C or 80°C, whichever is applicable).

Style 1008 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, 300 V.

---

\*Conductor 28-12 AWG Solid or stranded, tinned or bare.

---

Insulation Polyvinyl Chloride, 15 mils min average 13 mils min at any point, compounds suitable for use at 80°C in air, 60°C or 80°C in oil (whichever is applicable)

---

\*Covering Extruded nylon 2 mils min thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, same as for Class 43.  
\* Spark Test, 3,000 V.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 600 Volts Peak - For Electronic Use Only.



Style 1009 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, 300 Volts.

---

Conductor 28-12 AWG, Solid or Stranded, tinned or bare copper.  
\*

---

Insulation Polyvinyl Chloride, 15 mils minimum average, 13 mils minimum at any point, compounds suitable for use at 90°C in air and 60°C or 80°C in oil (whichever is applicable).

---

\*Covering Extruded nylon 2-mils minimum thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 600 Volts Peak - For Electronic Use Only.

Style 1010 Thermoplastic (PVC) - Insulated Wire.

---

Rating 105°C, 300 Volts.

---

\*Conductor 28-12 AWG, Solid or Stranded, tinned or bare copper.  
\*

---

Insulation Polyvinyl Chloride, 15 mils minimum average, 13 mils minimum at any point, compounds suitable for use at 105°C in air and 60°C or 80°C in oil (whichever is applicable).

---

Covering Extruded nylon in 2-mils minimum thickness or lacquered  
\* braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same as for  
\*Representative Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 600 Volts Peak - For Electronic Use Only.

Style 1012 Polyvinyl Chloride Insulated Wire.

---

Rating 80°C, 600 Volts.

---

\*Conductor 28-9 AWG, Solid or Stranded, tinned or bare copper.

---

Insulation Polyvinyl Chloride, 31 mils minimum average, 28 mils minimum at any point, compounds suitable for use at 80°C in air and 60°C or 80°C in oil.

---

Covering \* Extruded Zytel 33 nylon in 2-mil minimum thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 2500 Volts Peak - For Electronic Use Only.

Style 1013 PVC Insulated Wire.

---

Rating 80°C or 90°C, 600 V ac, 750 V dc.

---

Conductor Nos. 30 AWG - 2000 MCM.

---

Insulation PVC

<u>AWG</u>	<u>Min Avg Mils</u>	<u>Min at Any Point Mils</u>
30-9	30	27
8,7	45	40
6-2	60	54
1-4/0	80	72
250-500 MCM	95	86
550-1000 MCM	110	99
1100-2000 MCM	125	112

---

\*Covering Optional.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Physical Properties, unaged, Class 43.  
Spark Test.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Physical Properties, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C, (whichever is applicable).  
Tags may indicate the following: 2500 Volts Peak -  
For Electronic Use Only.

Style 1014 Polyvinyl Chloride Insulated Wire.

---

Rating 90°C, 600 Volts.

---

\*Conductor 28-9 AWG, Solid or Stranded, tinned or bare copper.

---

Insulation Polyvinyl Chloride, 31 mils minimum average, 28 mils minimum at any point, compounds suitable for use at 90°C in air and 60°C or 80°C in oil.

---

Covering \* Extruded Zytel 33 nylon in 2-mil minimum thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL \*Representative \* Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Spark Test.

---

UL Counter-Check \*Program \* \* (4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 2500 Volts Peak - For Electronic Use Only.

Style 1023                    Nominal 8/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                      80°C, 600 volts.

---

Conductor                  1.1 - 2M. MCM.  
\*                            Tinned or bare copper.

---

Insulation                  Nominal 8/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air  
and 80°C in oil.

---

Covering                    None.

---

\*Standard                  Appliance Wiring Material UL 758.

---

Instructions                Detailed Examination.  
to UL                        Tensile Strength and Elongation of Insulation,  
\*Representative            same as for Class 43.  
\*                            Spark Test.

---

UL                            (4) Detailed Examination.  
Counter-Check              (4) Tensile Strength and Elongation of Insulation.  
\*Program                    (4) Heat Shock, same as for Type T wire.  
                              (4) Deformation, same as for Type T wire.  
                              (4) Cold Bend, same as for Type T wire.

---

\*Marking                    General.

---

Use                           Internal wiring of Appliances where exposed to  
temperatures not exceeding 80°C; or Internal Wiring  
of Appliances where exposed to temperatures not exceeding  
80°C or where exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable.)

Style 1024            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use

---

Rating                90°C, 600 volts.

---

Conductor            No. 22-8 AWG.  
\*                      Tinned or bare copper.

---

Insulation            Nominal 3/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 90°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 90°C in air  
and 80°C in oil.

---

Covering              None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program               (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                    Internal wiring of Appliances where exposed to  
temperatures not exceeding 90°C; or Internal Wiring of  
Appliances where exposed to temperatures not exceeding  
90°C or where exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable.)

Style 1015 PVC Insulated Wire.

---

Rating 80°C, 90°C or 105°C; 600 V ac, 750 V dc.

---

\*Conductor Nos. 30-2,000 MCM AWG.

---

Insulation PVC

AWG	Min. Avg. Mils	Min at Any Point Mils
---	-----	-----
30-9	30	27
8,7	45	40
6-2	60	54
1-4/0	80	72
250-500 MCM	95	86
550-1000 MCM	110	99
1100-2000 MCM	125	112

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Physical Properties, unaged, Class 43.  
\*Representative Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Physical Properties, Class 43.  
\*Program (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Deformation.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60 deg. C or 80 deg. C (whichever is applicable). Tags may also indicate the following: 2,500 V peak - for electronic use only.



Style 1025 PVC - Insulated Wire.

---

Rating 90°C, 600 volts.

---

Conductor No. 8-6 AWG.  
\* Tinned or bare copper.

---

Insulation Nominal 3/64-Inch Wall (47 mil minimum average, 43 mils minimum at any point) of PVC. Compounds suitable for use at 90°C in air and 60°C in oil or compounds suitable for use at 90°C in air and 80°C in oil.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness or  
\* lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal wiring of Appliances where exposed to temperatures not exceeding 90°C; or Internal Wiring of Appliances where exposed to temperatures not exceeding 90°C or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable.)

Style 1016 Polyvinyl Chloride Insulated Wire.

---

Rating 105°C, 600 Volts.

---

\*Conductor 28-9 AWG, Solid or Stranded, tinned or bare copper.

---

Insulation Polyvinyl Chloride, 31 mils minimum average,  
28 mils minimum at any point, compounds suitable  
for use at 105°C in air and 60°C or 80°C in oil.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness or  
\* lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring  
of Appliances where exposed to oil at a temperature  
not exceeding 60°C or 80°C (whichever is applicable).  
Tags may indicate the following: 2500 Volts Peak -  
For Electronic Use Only.

Style 1026 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, 600 Volts.

---

Conductor Nos. 8-2 AWG  
\* Tinned or bare copper.

---

Insulation Thermoplastic (PVC) 60 mils min. avg., 54 mils  
min. at any point wall. Compounds suitable for  
use at 90°C in air, 60°C or 80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program (4) Heat Shock, same as for Type T wire  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Appliances or Internal  
Wiring of Appliances where exposed to oil at  
a temperature not exceeding (60°C or 80°C,  
whichever is applicable).

UNDERWRITERS LABORATORIES INC.  
Subject 758            Section 1

\*Page 1017

APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: March 2, 2001

Style 1017            Insulated Wire.

---

Rating                80°C, 600 volts.

---

Conductor            No. 22-8 AWG  
                         Tinned or bare copper.

---

Insulation            PVC, 45 mils min avg., 40 mils min at any point, Class 43.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation.  
Representative        Spark Test.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and elongation of Insulation.  
Program                (4) Heat Shock.  
                         (4) Deformation.  
                         (4) Cold Bend.  
                         (4) Horizontal Flame Test.

---

Marking                General.

---

Use                    Internal wiring of Appliances where exposed to  
                         oil at a temperature not exceeding 60°C or 80°C, whichever  
                         is applicable.

Style 1027            Nominal 5/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                90°C, 600 volts.

---

Conductor            1-4/0 AWG.  
\*                      Tinned or bare copper.

---

Insulation            Nominal 5/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 90°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 90°C in air  
and 80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program              (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking             General.

---

Use                    Internal wiring of Appliances where exposed to  
temperatures not exceeding 90°C; or Internal Wiring  
of Appliances where exposed to temperatures not exceeding  
90°C or exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable.)

Style 1018 PVC Insulated Wire.

---

Rating 80°C, 600 Volts.

---

\*Conductor No. 8-6 AWG. Tinned or bare copper.

---

Insulation Nominal 3/64 inch wall (47 mils minimum average, 43 mils minimum at any point) of PVC. Compounds suitable for use at 80°C in air and 60°C in oil or compounds suitable for use at 80°C in air and 80°C in oil.

---

Covering \* Extruded Zytel 33 nylon in 2-mil minimum thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL \*Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation,  
\* same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
(4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed to temperatures not exceeding 80°C; or Internal Wiring of Appliances where exposed to temperatures not exceeding 80°C or where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable).

Style 1028            Thermoplastic (PVC) - Insulated Wire for Appliance Hook-Up Use.

---

Rating                105°C, 600 volts.

---

\*Conductor            No. 22-8 AWG Tinned or bare copper.

---

Insulation            Class 43 PVC, minimum average thickness 45 mils, minimum thickness at any point 40 mils. Compounds suitable for use at 105°C in air and 60°C in oil or Bulletin compounds if marked for use at 105°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Tensile Strength and Elongation of Insulation.  
\*Representative      Spark Test.

---

UL                    (4) Detailed Examination.  
\*Counter-Check      (4) Tensile Strength and Elongation of Insulation.  
\*Program              (4) Heat Shock.  
\*                      (4) Deformation.  
\*                      (4) Cold Bend.

---

\*Marking              General.

---

Use                    Internal wiring of Appliances where exposed to temperatures not exceeding 105°C; or Internal Wiring of Appliances where exposed to temperatures not exceeding 105°C or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable.)

Tags may indicate the following: 2500 Volts  
Peak - For Electronic Use Only.

Style 1033 PVC Insulated Wire.

---

Rating 90 deg. C, 1000 V ac and/or 1200 V dc.

---

\*Conductor No. 30-9 AWG, solid or stranded.

---

Insulation 30 mils minimum average 27 mils minimum at any point of PVC.

---

Covering Extruded nylon in 2-mil minimum thickness or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for Class 43.  
Spark Test.

---

UL Counter-Check Program  
\*  
\*  
\*  
\* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding (60 deg. C or 80 deg. C, whichever is applicable). Tags may also indicate the following: 3500 V peak - For electronic use only.



Style 1034            Nominal 1/64-Inch Thermoplastic - Insulated  
Wire For Phonograph and Volume Control Use.

---

Rating                80°C, 300 Volts.

---

Conductor            No. 22-18 AWG. Solid or stranded wire, No. 30 AWG.  
\*                      copper stranding, tinned or bare.

---

Insulation            Nominal 1/64-Inch wall of Polyethylene.

---

\*Shielding            Optional.

---

Jacket                Over shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket shall be applied. The jacket shall  
be a compound suitable for use at 80°C.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation and  
\*Representative      Jacket, same as for Class 43.  
\*                      Spark Test, 3000 Volts.

---

UL                    (4) Detailed Examination.  
\*Counter-Check      (4) Jacket, Class 43, except for aging.  
\*Program            (4) Heat Shock, Class 43, Jacket only.  
\*                      (4) Deformation, Class 43, Jacket only.  
\*                      (4) Cold Bend, Class 43, but at minus 10°C.  
\*                      (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                    Phonograph and Volume Control Use where  
insulation is exposed to a temperature not exceeding  
60°C and the jacket is exposed to a temperature  
not exceeding 80°C.

\*Style 1035 Thermoplastic (Polyethylene) Insulated, Shielded,  
and PVC Jacketed Wire.

---

Rating 80°C, 600 Volts.

---

Conductor No. 22-18 AWG. Solid or stranded with No. 30 AWG.  
\* copper stranding, tinned or bare.

---

Insulation Nominal 1/32-Inch wall of Polyethylene.

---

\*Shielding Optional.

---

Jacket Over shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket shall be applied. The jacket shall be  
a compound suitable for use at 80°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative and Jacket, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Jacket, Class 43, except for aging.  
\*Program (4) Heat Shock, Class 43, jacket only.  
\* (4) Cold Bend, Class 43, but at minus 10°C.  
\* (4) Horizontal Flame Test.  
(4) Deformation, Class 43, jacket only.

---

\*Marking General.

---

Use Phonograph and Volume Control Use where  
Insulation is exposed to a temperature  
not exceeding 60°C and the jacket is exposed  
to a temperature not exceeding 80°C.

Style 1036 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, 300 volts.

---

Conductor No. 30 16 AWG, solid or stranded tinned or bare copper.  
\*

---

Insulation Nominal 8-Mil wall Thermoplastic (PVC), 6-Mil minimum at any point. (See facing page for compound.)

---

\*Covering Lacquered braid or extruded nylon in  
\* 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

---

Use Internal Wiring in electric bookkeeping,  
accounting, or time-recording machines.

\*Style 1037 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C, 300 Volts.

---

Conductor No. 24-20 AWG having 7 strands tinned or bare copper.  
\*

---

Insulation Min avg 12-Mil wall Thermoplastic (PVC), 9.5-Mil minimum at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for Class 43.  
Spark Test.

---

UL Counter-Check Program  
\*  
\*  
\*  
\* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, after aging, same as for Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking General.

---

\*Use Internal Wiring in electric bookkeeping, accounting, or time-recording machines.

Style 1038                      Nominal 12-Mil Thermoplastic (PVC) - Insulated  
Wire For Business Machines Use.

---

Rating                              60°C, 300 Volts.

---

Conductor  
\*                                      No. 24-20 AWG. having 7 strands tinned or bare  
copper.

---

Insulation                              Nominal 12-Mil wall Thermoplastic (PVC), 9.5-Mil  
minimum at any point.

---

\*Covering                              Lacquered braid.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation,  
\*    same as for Class 43.  
\*    Spark Test.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation,  
Program    after aging, same as Class 43.  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.  
\*    (4) Dielectric Strength Test.

---

\*Marking                                      General.

---

Use    Internal Wiring in electric bookkeeping,  
accounting, or time-recording machines where  
exposed to temperatures not exceeding 60°C.

Style 1019 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, 600 Volts.

---

Conductor No. 8-2 AWG  
\* Tinned or bare copper.

---

Insulation Thermoplastic (PVC), 60 mils min avg,  
54 mils min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal wiring of Appliances; or Internal Wiring  
of Appliances where exposed to oil at a temperature  
not exceeding (60°C or 80°C), whichever is applicable.

Style 1029                      Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                              105°C, 600 volts.

---

Conductor                          No. 8-6 AWG.  
\*                                      Tinned or bare copper.

---

Insulation                          Nominal 3/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 105°C in air and 60°C in oil  
or Bulletin compounds if marked for use at 105°C in  
air and 80°C in oil.

---

Covering                              Extruded Zytel 33 nylon in 2-Mil minimum thickness  
\*                                      or lacquered braid.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                      Tensile Strength and Elongation of Insulation,  
\*Representative                          same as for Class 43.  
\*    Spark Test.

---

UL    (4) Detailed Examination.  
Counter-Check                          (4) Tensile Strength and Elongation of Insulation.  
\*Program                                  (4) Heat Shock, same as for Type T wire but at 136°C.  
    (4) Deformation, same as for Type T wire.  
    (4) Cold Bend, same as for Type T wire.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                  General.

---

Use    Internal wiring of Appliances where exposed to  
temperatures not exceeding 105°C; or Internal Wiring  
of Appliances where exposed to temperatures not  
exceeding 105°C or where exposed to oil at a temperature  
not exceeding (60°C or 80°C, whichever is applicable.)

Tags may indicate the following: 2500 Volts Peak -  
For Electronic Use Only.

Style 1039                      Nominal 15-Mil Thermoplastic (PVC) - Insulated  
Wire For Business Machine Use.

---

Rating                              80°C, 300 Volts.

---

Conductor  
\*                                      No. 26-16 AWG. having 7 strands tinned or bare  
copper.

---

Insulation                              Nominal 15-Mil wall Thermoplastic (PVC) - 12-Mil  
minimum at any point.

---

Covering                              None.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL  
\*Representative  
\*                                      Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Spark Test.

---

UL  
Counter-Check  
Program  
\*                                      (4) Detailed Examination.  
\*                                      (4) Tensile Strength and Elongation of Insulation.  
\*                                      \*  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.  
\*                                      (4) Dielectric Strength Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring in electric bookkeeping,  
accounting, or time-recording machines where  
exposed to temperatures not exceeding 80°C.



Style 1020            Nominal 5/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                80°C, 600 volts.

---

Conductor            1-4/0 AWG  
\*                      Tinned or bare copper.

---

Insulation            Nominal 5/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air  
and 80°C in oil.

---

Covering             None.

---

Standard             Thermoplastic Insulated Wires.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                      Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program              (4) Heat Shock, same as for Type T wire.  
                         (4) Deformation, same as for Type T wire.  
                         (4) Cold Bend, same as for Type T wire.

---

\*Marking             General.

---

Use                    Internal wiring of Appliances where exposed to temperatures  
not exceeding 80°C; or Internal Wiring of Appliances where  
exposed to temperatures not exceeding 80°C or where exposed  
to oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable.)

Style 1030            PVC Insulated Wire

---

Rating                80 deg. C, 1000 V ac and/or 1200 V dc

---

Conductor            No. 30-9 AWG; solid or stranded.

---

Insulation            PVC Class 43 30 mils minimum average, 27 mils minimum at any point.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Physical Properties.  
Spark Test.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Physical Properties.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking              General.

---

Use                    Internal Wiring of Appliances; or where exposed to oil at a temperature not exceeding 60 deg. C or 80 deg. C (whichever is applicable). Tags may also indicate the following:  
3500 V peak - For electronic use only.

Style 1040                      Nominal 15-Mil Thermoplastic (PVC) - Insulated  
Wire For Business Machine Use.

---

Rating                              80°C, 300 Volts.

---

Conductor  
\*                                      No. 26-16 AWG. having 7 strands tinned or bare  
copper.

---

Insulation                              Nominal 15-Mil wall Thermoplastic (PVC), 12-Mil  
minimum at any point.

---

\*Covering                              Lacquered braid.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation,  
\*    same as for Class 43.  
\*    Spark Test.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation.  
\*Program                                      (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.  
\*    (4) Dielectric Strength Test.

---

\*Marking                                      General.

---

Use    Internal Wiring in electric bookkeeping,  
accounting, or time-recording machines where  
exposed to temperatures not exceeding 80°C.

Style 1021            Nominal 6/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                80°C, 600 volts.

---

Conductor            225-500 MCM  
\*                      Tinned or bare copper.

---

Insulation            Nominal 6/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air and 80°C  
in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                      Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program              (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking             General.

---

Use                    Internal wiring of Appliances where exposed to  
temperatures not exceeding 80°C; or Internal Wiring  
of Appliances where exposed to temperatures not exceeding  
80°C or where exposed to oil at a temperature not  
exceeding (60°C or 80°C, whichever is applicable.)

Style 1031 PVC Insulated Wire.

---

Rating 80 deg. C, 1000 V ac and/or 1200 V dc.

---

\*Conductor No. 30-9 AWG. Solid or stranded, tinned or bare copper.

---

Insulation 30 mils minimum average, 27 mils minimum at any point of PVC.

---

\*Covering Extruded Nylon in 2 mil minimum thickness or  
\* Lacquered Braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60 or 80 deg. C (whichever is applicable). Tags may also indicate the following:  
3500 V peak - For electronic use only.

---

Style 1041            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated Wire For  
Internal Wiring of Electric Refrigerating Equipment.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or stranded.  
No. 18-16 AWG. shall be stranded. All stranded conductors  
\* shall consist of No. 30 AWG. or smaller strands. All  
conductors shall be tinned or bare copper.

---

Insulation            Nominal 1/32-Inch wall Thermoplastic (PVC), Class 43.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Same as for Type TF wire except insulation resistance shall  
to UL                    be not less than 1 megohm - 1000 feet.  
Representative

---

UL                    (4) Same as for Type TF Wire.  
Counter-Check  
Program

---

\*Marking             General.

---

Use                    Internal Wiring of Lighting Circuits in Refrigerating  
Equipment.

Style 1022            Nominal 7/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                80°C, 600 volts.

---

Conductor            525-1M, MCM.  
\*                      Tinned or bare copper.

---

Insulation            Nominal 7/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air and 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air and  
80°C in oil.

---

Covering              None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program               (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                    Internal wiring of Appliances where exposed to  
temperatures not exceeding 80°C; or Internal Wiring  
of Appliances where exposed to temperatures not exceeding  
80°C or where exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable.)

Style 1032            PVC Insulated Wire.

---

Rating                90 deg. C, 1000 V ac and/or 1200 V dc.

---

Conductor            Nos. 30 AWG - 2000 MCM.

---

Insulation            PVC Class 43, 60°C or 80°C, if applicable.

AWG	Min Avg Mils	Min at Any Point Mils
---	-----	-----
30-9	30	27
8	45	40
7-2	60	54
1-4/0	80	72
250-500 MCM	95	86
550-1000 MCM	110	99
1100-2000 MCM	125	112

---

Covering             Optional PVC same compound as insulation,  
5 mils minimum at any point, 40 mils maximum.

---

Shield                Optional.

---

Jacket                Optional. PVC Class 43, 30 mils minimum  
average, 23 mils minimum at any point.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative     Detailed Examination.  
Physical Properties, Insulation and Jacket, unaged.  
Spark Test.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Physical Properties, Insulation and Jacket, unaged.  
(4) Heat Shock.  
(4) Deformation, (Insulation and Jacket.)  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                    Internal Wiring of Appliances; or where exposed to oil at  
a temperature not exceeding 60 deg. C or 80 deg. C  
(whichever is applicable). Tags may also indicate the  
following: 3500 V peak - for electronic use only.





Style 1042            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerating  
Equipment.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded. All  
stranded conductors shall consist of No. 30 AWG.  
or smaller strands. All conductors shall be tinned  
\*                      or bare copper.

---

Insulation            Nominal 1/32-Inch wall Thermoplastic (PVC), Class 43.

---

Covering              Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Same as for Type TF wire except insulation  
to UL                    resistance shall be not less than 1 megohm -  
Representative        1000 feet.

---

UL                    (4) Same as for Type TF Wire.  
\*Counter-Check       (4) Horizontal Flame Test.  
Program

---

\*Marking              General.

---

Use                    Internal Wiring of Lighting Circuits in  
Refrigerating Equipment.

Style 1043            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Electric Refrigerating  
Equipment.

---

Rating                80°C, 300 volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or stranded.  
No. 18-16 AWG. shall be stranded. All stranded  
conductors shall consist of No. 30 AWG. or smaller  
strands. All conductors shall be tinned or bare  
copper.  
\*

---

Insulation            Nominal 1/32-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air or 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air and  
80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative     same as for Class 43.  
\*                    Spark Test.  
Insulation Resistance shall be not less  
than one megohm - 1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                    (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend.  
\*                    (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal wiring of Lighting Circuits in  
Refrigerating Equipment where exposed to temperatures  
not exceeding 80°C; or Internal Wiring of Lighting  
Equipment where exposed to temperatures not exceeding  
80°C or where exposed to oil at a temperature not  
exceeding (60°C or 80°C, whichever is applicable.)

Style 1044 Nominal 1/32-Inch Thermoplastic (PVC) - Insulated Wire For  
Internal Wiring of Electric Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded. All  
stranded conductors shall consist of No. 30 AWG. or  
smaller strands. All conductors shall be tinned or  
\* bare copper.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 80°C in air or 60°C  
in oil, or Bulletin compounds if marked for use at  
80°C in air and 80°C in oil.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Lighting Circuits in  
Refrigerating Equipment where exposed to temperatures  
not exceeding 80°C; or Internal Wiring of Lighting  
Equipment where exposed to temperatures not exceeding  
80°C or where exposed to oil at a temperature not  
exceeding (60°C or 80°C, whichever is applicable).

Style 1045            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Electric Refrigerating  
Equipment.

---

Rating	90°C, 300 Volts.
Conductor	No. 20-16 AWG. No. 20 AWG. shall be solid or stranded. No. 18-16 AWG. shall be stranded. All stranded conductors shall consist of No. 30 AWG. or smaller strands. All conductors shall be tinned or bare copper.
Insulation	Nominal 1/32-Inch Wall Thermoplastic (PVC). Compounds suitable for use at 90°C in air or 60°C in oil or Bulletin compounds if marked for use at 90°C in air and 80°C in oil.
Covering	None.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Spark Test. Insulation Resistance shall be not less than one megohm - 1000 feet.
UL Counter-Check Program * * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. * (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Horizontal Flame Test.
*Marking	General.
Use	Internal wiring of Lighting Circuits in Refrigerating Equipment where exposed to temperatures not exceeding 90°C; or Internal Wiring of Lighting Equipment where exposed to temperatures not exceeding 90°C or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable.)

Style 1046            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerating  
Equipment.

---

Rating                90°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded. All  
stranded conductors shall consist of No. 30 AWG. or  
smaller strands. All conductors shall be tinned or  
\* bare copper.

---

Insulation            Nominal 1/32-Inch wall Thermoplastic (PVC). Compounds  
suitable for use at 90°C in air or 60°C in oil,  
or Bulletin compounds if marked for use at 90°C in  
air and 80°C in oil.

---

Covering             Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same  
\*Representative       as for Class 43.  
\*                     Spark Test.  
                      Insulation Resistance shall be not less than  
                      1 megohm - 1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                     (4) Heat Shock.  
\*                     (4) Deformation.  
\*                     (4) Cold Bend.  
\*                     (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal Wiring of Lighting Circuits in  
Refrigerating Equipment where exposed to temperatures  
not exceeding 90°C; or Internal Wiring of Lighting  
Circuits in Refrigerating Equipment where exposed to  
temperatures not exceeding 90°C or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable).



Style 1047            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerators  
or Gas or Oil-Fired Domestic Heating Equipment.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded. All  
stranded conductors shall consist of No. 30 AWG. or  
smaller strands. All conductors shall be tinned or  
\* bare copper.

---

\*Insulation            Nominal 3/64-Inch wall Thermoplastic (PVC), Class 43.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation, same  
Representative        as for Type TF wire.  
\*                        Spark Test.  
                          Insulation Resistance shall be not less than  
                          1 megohm - 1000 feet.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Type TF wire.  
\*                        (4) Heat Shock, Class 43.  
\*                        (4) Deformation, Class 43.  
\*                        (4) Cold Bend, Class 43, but at minus 10°C.  
\*                        (4) Horizontal Flame Test.

---

\*Marking                General.

---

Use                     Internal Wiring of Electric Refrigerators; or  
Internal Wiring of Gas or Oil-Fired Domestic Heating  
Equipment; or Internal Wiring of Lighting Circuits  
in Refrigerating Equipment.



Style 1048            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerators  
Or Gas Or Oil-Fired Domestic Heating Equipment.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded. All  
stranded conductors shall consist of No. 30 AWG.  
or smaller strands. All conductors shall be tinned  
or bare copper.  
\*

---

\*Insulation            Nominal 3/64-Inch wall Thermoplastic (PVC), Class 43.

---

Covering             Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
Representative        same as for Type TF wire.  
\*                        Spark Test.  
                          Insulation Resistance shall be not less than  
                          1 megohm - 1000 feet.

---

UL                     (4) Detailed examination.  
Counter-Check        (4) Tensile strength and elongation of insulation,  
Program                same as for Type TF wire.  
\*                        (4) Heat Shock, Class 43.  
\*                        (4) Deformation, Class 43.  
\*                        (4) Cold Bend, Class 43, but at minus 10°C.  
\*                        (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal Wiring of Electric Refrigerators; or  
Internal Wiring of Gas or Oil-Fired Domestic  
Heating Equipment; or Internal Wiring of Lighting  
Circuits in Refrigerating Equipment.

Style 1049            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerators  
Or Gas or Oil-Fired Domestic Heating Equipment.

---

Rating                80°C, 300 Volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or stranded.  
No. 18-16 AWG. shall be stranded. All stranded  
conductors shall consist of No. 30 AWG. or smaller  
strands. All conductors shall be tinned or bare copper.

\*

---

Insulation            Nominal 3/64-Inch Thermoplastic (PVC) Compounds  
suitable for use at 80°C in air or 60°C in oil, or  
bulletin compounds if marked for use at 80°C in air  
and 80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same  
\*Representative    as for Class 43.  
\*                    Spark Test.  
Insulation Resistance shall be not less than 1 megohm -  
1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check      (4) Tensile Strength and Elongation of Insulation.  
\*Program            (4) Heat Shock, Class 43.  
\*                    (4) Deformation, Class 43.  
\*                    (4) Cold Bend, Class 43, but at minus 10°C.  
\*                    (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C; (b) or  
Internal Wiring of Gas or Oil-Fired Domestic Heating  
Equipment where exposed to temperatures not exceeding  
80°C. (C) or Internal Wiring of Lighting Circuits in  
Refrigerating Equipment where exposed to temperatures  
not exceeding 80°C. The following may be added to (a)  
or (b) or (C); or where exposed to oil at a temp-  
erature not exceeding (60°C or 80°C, whichever is  
applicable).

Style 1050            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerators  
Or Gas or Oil-Fired Domestic Heating Equipment.

---

Rating	80°C, 300 Volts.
Conductor	No. 20-16 AWG. No. 20 AWG. shall be solid or stranded. No. 18-16 AWG. shall be stranded. All stranded conductors shall consist of No. 30 AWG. or smaller strand. All conductors shall be tinned or bare copper. *
Insulation	Nominal 3/64-Inch wall Thermoplastic (PVC). Compounds suitable for use at 80°C in air or 60°C in oil, or Bulletin compounds if marked for use at 80°C in air and 80°C in oil.
Covering	Extruded Zytel 33 nylon in 2-Mil minimum thickness.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed examination. Tensile strength and elongation of insulation, same as for Class 43. Spark Test. Insulation Resistance shall be not less than 1 megohm - 1000 feet.
UL Counter-Check *Program * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock, Class 43. (4) Deformation, Class 43. (4) Cold Bend, Class 43, but minus 10°C. (4) Horizontal Flame Test.
*Marking	General.
Use	(a) Internal Wiring of Electric Refrigerators where exposed to temperatures not exceeding 80°C; (b) or Internal Wiring of Gas or Oil-Fired Domestic Heating Equipment where exposed to temperatures not exceeding 80°C; (c) or Internal Wiring of Lighting Circuits in Refrigerating Equipment where exposed to temperatures not exceeding 80°C. The following may be added to (a) or (b) or (c); or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is is applicable).

Style 1051            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Electric Refrigerators  
Or Gas Or Oil-Fired Domestic Heating Equipment.

---

Rating                90°C, 300 volts.

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
stranded. No. 18-16 AWG. shall be stranded.  
All stranded conductors shall consist of No. 30 AWG.  
or smaller strands. All conductors shall be tinned or  
\* bare copper.

---

Insulation            Nominal 3/64-Inch Wall Thermoplastic (PVC).  
Compounds suitable for use at 90°C in air or 60°C  
in oil or Bulletin compounds if marked for use at 90°C  
in air and 80°C in oil.

---

Covering             None

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative     same as for Class 43.  
\*                     Spark Test.  
Insulation Resistance shall be not less than  
one megohm - 1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile strength and elongation of insulation.  
\*Program              (4) Heat Shock, Class 43.  
                          (4) Deformation, Class 43.  
                          (4) Cold Bend, Class 43, but minus 10°C.  
\*                        (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    (a) Internal wiring of Electric Refrigerators where exposed  
to temperatures not exceeding 90°C; (b) or Internal Wiring  
of Gas or Oil-Fired Domestic Heating Equipment where exposed  
to temperatures not exceeding 90°C; (c) or Internal wiring  
of lighting circuits in refrigerating equipment where  
exposed temperatures not exceeding 90°C. The following may  
be added to (a) or (b) or (c); or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever is  
applicable.)

Style 1052            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated Wire  
For Internal Wiring of Electric Refrigerators Or  
Gas or Oil-Fired Domestic Heating Equipment.

---

Rating	90°C, 300 Volts.
Conductor	No. 20-16 AWG. No. 20 AWG. shall be solid or stranded. No. 18-16 AWG. shall be stranded. All stranded conductors shall consist of No. 30 AWG. or smaller. * All conductors shall be tinned or bare copper.
Insulation	Nominal 3/64-Inch wall Thermoplastic (PVC). Compounds suitable for use at 90°C in air or 60°C in oil, or Bulletin compounds if marked for use at 90°C in air and 80°C in oil.
Covering	Extruded Zytel 33 nylon in 2-Mil minimum thickness.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Spark Test. Insulation Resistance shall be not less than 1 megohm - 1000 feet.
UL Counter-Check *Program *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock, Class 43. (4) Deformation, Class 43. (4) Cold Bend, Class 43, but minus 10°C. (4) Horizontal Flame Test.
*Marking	General.
Use	(a) Internal Wiring of Electric Refrigerators where exposed to temperatures not exceeding 90°C; (b) or Internal Wiring of Gas or Oil-Fired Domestic Heating Equipment where exposed to temperatures not exceeding 90°C; (c) or Internal Wiring of Lighting Circuits in Refrigerating Equipment where exposed to temperatures not exceeding 90°C. The following may be added to (a) or (b) or (c); or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable).

\*Style 1053 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C, 600 Volts.

---

Conductor No. 18-10 AWG.  
\* Stranded copper, tinned or bare.

---

\*Insulation 60 mils min. avg., 54 mils min. at any point wall  
Thermoplastic (PVC). Compounds rated 60°C or higher.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same  
Representative as for Type T wire.  
\* Spark Test.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Type T wire.  
(4) Heat Shock, same as for Type T wire,  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

\*Use Internal Wiring of Electric Refrigerating Equipment  
or Room Air Conditioners or Room Cooler Units.

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APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: June 21, 2001

Style 1054 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, 600 Volts.

---

Conductor Nos. 18-10 AWG, stranded copper.

---

Insulation PVC, 60 mils min. avg., 54 mils min. at any point wall,  
60°C or 80°C in oil, if applicable.

---

Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Physical Properties, unaged.  
Representative

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties.  
Program (4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.

---

Marking General.

---

Use Internal Wiring of Electric Refrigerating Equipment  
or Room Air Conditioners or Room Cooler Units or  
Internal Wiring of Electric Refrigerating Equipment  
or Room Air Conditioners or Room Cooler Units where  
exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable).

Style 1055 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, 600 Volts.

---

Conductor No. 20-10 AWG  
\* Stranded copper, tinned or bare.

---

Insulation 60 mils min. avg., 54 mils min. at any point wall  
Thermoplastic (PVC). Compounds suitable for  
use at 90°C in air, or 60°C in oil, or Bulletin  
compounds if marked for use at 90°C in air and  
80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Same as for Class 43.  
\* Spark Test.  
Insulation Resistance shall be not less  
than 1 megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
(4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units; or Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units or Internal Wiring of Remote Outdoor Condensing  
Units for Domestic Cooling Systems where exposed to  
oil at a temperature not exceeding (60°C or 80°C, whichever  
is applicable).



Style 1056 Thermoplastic (PVC) - Insulated Wire.

---

Rating 105°C, 600 Volts.

---

Conductor Nos. 20-10 AWG  
\* Stranded copper, tinned or bare.

---

Insulation 60 mils min. avg., 54 mils min. at any point  
wall Thermoplastic (PVC). Compounds suitable  
for use at 105°C in air, or 60°C or 80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Same as for Class 43.  
\* Spark Test. Insulation Resistance shall  
\* be not less than 1 megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock, Class 43, but at 136°C.  
\* (4) Deformation.  
\* (4) Cold Bend.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units or Internal Wiring of Remote Outdoor Condensing  
Units for Domestic Cooling Systems; or Internal Wiring  
of Electric Refrigerating Equipment or Room Air  
Conditioners or Room Cooler Units where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable).

Style 1057 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C, 600 Volts.

---

Conductor No. 14-10 AWG  
\* Stranded copper, tinned or bare.

---

Insulation 78 mils min. avg., 70 mils min. at any point wall  
thermoplastic (PVC). Compounds rated 60°C or higher.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Same as for Type T wire.  
\* Spark Test.  
Insulation Resistance shall be not less than 1  
megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
Program Insulation, same as for Type T wire.  
(4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating Equipment  
or Room Air Conditioners or Room Cooler Units.

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APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: June 20, 2001

Style 1058            Thermoplastic (PVC) - Insulated Wire.

---

Rating                80°C, 600 Volts.

---

Conductor            No. 18-10 AWG Stranded copper, tinned or bare.

---

Insulation            78 mils min. avg., 70 mils min. at any point wall  
Thermoplastic (PVC). 60°C or 80°C in oil, if applicable.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Physical Properties, unaged.  
Spark Test.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Physical Properties, unaged.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                    Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units or Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units where exposed to oil at a temperature not  
exceeding (60°C or 80°C, whichever is applicable).

Style 1059 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, 600 Volts

---

Conductor No. 18-10 AWG  
\* Stranded copper, tinned or bare.

---

Insulation 78 mils min. avg., 70 mils min. at any point wall  
Thermoplastic (PVC). Compounds suitable for use  
at 90°C in air, or 60°C in oil, or Bulletin  
compounds if marked for use at 90°C in air and  
80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Same as for Class 43.  
\* Spark Test.  
Insulation Resistance shall be not less  
than 1 megohm - 1000 feet.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
(4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units; or Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units or Internal Wiring of Remote Outdoor Condensing  
Units for Domestic Cooling Systems where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable).

Style 1060            Insulated Wire.

---

Rating                105°C, 600 Volts.

---

Conductor            No. 18-10 AWG Stranded copper.

---

Insulation            PVC 80 mils min. avg., 70 mils min. at any point.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Insulation Resistance in water at room temperature.  
shall be not less than 1 megohm based on 1000 ft.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                     Internal Wiring of Electric Refrigerating Equipment or Room  
Air Conditioners or Room Cooler Units or Remote Outdoor  
Condensing Units for Domestic Cooling Systems or where  
exposed to oil at a temperature not exceeding (60°C or  
80°C, whichever is applicable).

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APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: June 20, 2001

Style 1061                      Special PVC - Insulated Wire.

---

Rating                              80°C, 300 Volts.

---

Conductor                        No. 30-16 AWG, solid or stranded, tinned or bare copper.

---

\*

Insulation                        Extruded Semi-Rigid PVC: 9 mil average, 7 mil minimum at any point.

---

Standard                         Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Physical Properties, unaged.  
Flexing.  
Spark Test.

---

UL Counter-Check Program              (4) Detailed Examination.  
(4) Physical Properties, unaged.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                            General.

---

Use                                 Internal Wiring in Electric Bookkeeping, Accounting,  
Time-Recording Machines, or Electronic Equipment if  
within a chassis or protected from mechanical injury.



Style 1062                      Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire For Microphone Use in Electronic Equipment.

---

Rating                              60°C, 300 Volts.

---

Conductor                          No. 20-18 AWG. solid or stranded copper. Stranded  
shall consist of No. 30 AWG. or smaller strands.  
\*                                      Tinned or bare.

---

Insulation                          Nominal 1/32-Inch wall Thermoplastic (PVC), Class 43.

---

\*Shielding                          Optional.

---

Jacket                                Over the shielding a nominal 1/64-Inch wall of  
Thermoplastic (PVC), Class 43, jacket shall be  
applied.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation, same  
\*Representative                    as for Class 43.  
                                      Tensile Strength and Elongation of Jacket, same as  
\*                                        for Class 43.  
\*                                        Spark Test, 3000 V.

---

UL                                    (4) Detailed Examination.  
Counter-Check                      (4) Insulation, Class 43.  
Program                              (4) Jacket, Class 43.  
\*                                      (4) Flexibility.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                            General.

---

Use                                    Temperature marker not required.  
As Microphone Cable.



Style 1063                      Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Microphone Use in Electronic Equipment.

---

Rating                              60°C, 300 Volts.

---

Conductor                          No. 20-18 AWG. solid or stranded copper. Stranded  
shall consist of No. 30 AWG. or smaller strands.  
\*                                      Tinned or bare.

---

Insulation                          Nominal 1/64-Inch wall Thermoplastic (PVC),  
Class 43.

---

\*Shielding                          Optional.

---

Jacket                                Over the shielding a nominal 1/32-Inch wall of  
Thermoplastic (PVC), Class 43, Jacket shall be  
applied.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation, same  
\*Representative                      as for Class 43.  
    Tensile Strength and Elongation of Jacket, same as  
\*    for Class 43.  
\*    Spark Test, 3000 V.

---

UL                                      (4) Detailed Examination.  
Counter-Check                          (4) Insulation, Class 43.  
Program                                  (4) Jacket, Class 43.  
\*    (4) Flexibility.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      As Microphone Cable.

Style 1064                      Nominal 1/32-Inch Thermoplastic (Polyethylene) -  
Insulated Wire For Phonograph and Volume Control Use.

---

Rating                              60°C, 600 volts.

---

Conductor                          No. 26-16 AWG. consisting of No. 30 AWG. copper  
\*                                      stranding, tinned or bare.

---

Insulation                          Nominal 1/32-Inch wall of Polyethylene.

---

\*Shielding                          Optional.

---

Covering                              Lacquered cotton, rayon or glass over conductor  
Over Shielding                      shield.

---

Jacket                                  Over the shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket shall be applied.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                      Tensile Strength and Elongation of Insulation, same  
\*Representative                          as for Class 43.  
\*    Tensile Strength and Elongation of Jacket, same as  
\*    for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL    (4) Detailed Examination.  
\*Counter-Check                          (4) Insulation.  
Program                                      (4) Jacket, Class 43.  
\*    (4) Flexibility.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                  General.

---

Use    Phonograph and Volume Control Use.

Style 1065                      Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Phonograph and Volume Control Use.

---

Rating                              60°C, 600 Volts.

---

Conductor  
\*                                      No. 26-16 AWG. consisting of No. AWG. copper  
stranding, tinned or bare.

---

Insulation                              Nominal 1/32-Inch wall Thermoplastic (PVC).

---

\*Shielding                              Optional.

---

Covering  
Over Shielding                              Lacquered cotton, rayon or glass over conductor  
shield.

---

Jacket                                      Over the shielding a nominal 1/32-Inch Thermoplastic  
(PVC) Jacket shall be applied.

---

\*Standard                                      Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation and  
\*    Jacket, same as for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Insulation and Jacket, Class 43.  
\*Program                                      (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                      General.

---

Use    Phonograph and Volume Control Use.

Style 1066            Nominal 4/64-Inch Thermoplastic (Polyethylene) -  
                         Insulated shielded and Thermoplastic (PVC)  
                         jacketed wire.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 22 AWG. solid bare copper or copper-covered  
\*                       steel wire.

---

Insulation            Nominal 4/64-Inch wall of Polyethylene or Flame-  
                         Retardant Polyethylene (Minimum thickness 56 mils).

---

\*Shielding            Optional.

---

Jacket                Nominal 1/32-Inch wall of Thermoplastic (PVC), Class 43.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation, before  
\*Representative       aging, for Polyethylene and for  
                         Flame-Retardant Polyethylene.  
                         Tensile Strength and Elongation of Jacket, same as  
\*                        for Class 43.  
\*                        Spark Test, 3000 V.

---

UL                    (4) Detailed Examination.  
\*Counter-Check       (4) Insulation, for Polyethylene and  
Program                for Flame-Retardant Polyethylene.  
                         (4) Jacket, Physical Properties, Class 43.  
\*                        (4) Flexibility.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                    Intended as Radio - frequency transmission  
                         cable for use at temperatures not exceeding 60°C.







Style 1070                      7-Mil Thermoplastic (Nylon) - Insulated Wire  
 For Appliances Hook-Up Use.

---

Rating                              80°C, 150 Volts.

---

Conductor                          No. 26-16 AWG. solid or stranded, tinned or bare  
 \*                                      copper.

---

Insulation                          Average 7-Mils minimum extruded Zytel 33, 6.5 Mils,  
 minimum at any point.

---

Covering                            None.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
 to UL                                  Tensile Strength and Elongation of Insulation, same  
 \*Representative                      as for Class 43.  
 \*    Spark Test, 2000 Volts.

---

UL                                      (4) Detailed Examination.  
 \*Counter-Check                      (4) Flexing.  
 \*Program                              (4) Horizontal Flame Test.

---

\*Marking                            General.

---

Use                                      Internal Wiring of Electronic Equipment at temperatures  
 not exceeding 80°C.



Style 1071            Coaxial Cable.

---

Rating                60°C, 300 Volts.

---

Conductor            16-30 AWG, solid or stranded, tinned or bare  
\*                      copper conductor.

---

Insulation            Polyethylene: 45 mils min avg., 41 mils min  
                         at any point.

---

\*Shield                Optional.

---

Jacket                 PVC: 30 mil min avg., 28 mil min at any point.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                 Physical Properties; Jacket.  
\*Representative       Insulation, unaged.  
\*                        Spark Test 3000 V.

---

UL                      (4) Detailed Examination.  
\*Counter-Check        (4) Physical Properties: Jacket.  
\*Program                Insulation.  
\*                        (4) Heat Shock, Jacket only.  
\*                        (4) Deformation.  
\*                        (4) Horizontal Flame Test.  
\*                        (4) Cold Bend.

---

\*Marking                General.

---

Use                     Internal wiring of Electronic Equipment.

---

Style 1072                      Thermoplastic (PVC) - Insulated Resistance Wire  
For Heating Rug Mats.

---

Rating                              90°C, 250 Volts.

---

Conductor                          No. 42-32 AWG. solid copper or copper alloy  
resistance wire wound for a minimum of 20 turns  
per inch on a Fiberglas, Fortisan, Dacron or  
Cordura Core.

---

Insulation                          Average 20 Mils, minimum 18 Mils at any one point.  
Thermoplastic (PVC) compounds suitable for use at 90°C.

---

Covering                              None.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions to UL                      Detailed Examination.  
\*Representative                          Tensile Strength and Elongation of Insulation,  
\*    Class 43.  
\*    Spark Test.

---

UL Counter-Check Program              (4) Detailed Examination.  
\*    (4) Tensile Strength and Elongation of Insulation.  
\*    \*  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                  General.

---

Use    Use Only in Wiring of Heating Rug Mats where  
exposed to temperatures not exceeding 90°C.

Style 1073                      Thermoplastic (PVC) - Insulated Wire For  
Heating Rug Mats.

---

Rating                              90°C, 250 Volts.

---

Conductor                          No. 42-32 AWG. solid or copper or copper alloy  
resistance wire wound for a minimum 20 turns  
per inch on a Fiberglas, Fortisan, Dacron or  
Cordura Core.

---

Insulation                          Average 20 Mils, minimum 18 Mils at any one point.  
Thermoplastic (PVC) compounds suitable for use at 90°C.

---

Covering  
\*                                      Extruded Zytel 33 nylon in 2 Mil minimum thickness  
of lacquered braid.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions  
to UL                                  Detailed Examination.  
\*Representative                      Tensile Strength and Elongation of Insulation,  
\*    Class 43.  
\*    Spark Test, 4000 V.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
Program                                      \*  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Use Only in Wiring of Heating Rug Mats where  
exposed to temperatures not exceeding 90°C.

Style 1074 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 60°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan, Fiberglas, Dacron or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC). Class 43.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation,  
\* same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Class 43.  
(4) Heat Shock, Deformation, Cold Bend, (at minus  
10°C) same as for Class 43.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where not subjected to flexing or motion.

Style 1075 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 60°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon Cotton,  
Fortisan, Fiberglas, Dacron or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC). Class 43.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
\*Representative Same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Class 43.  
(4) Heat Shock, Deformation, Cold Bend, (at minus  
10°C) same as for Class 43.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
not subjected to flexing or motion.

Style 1076 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan or Fiberglas, Dacron or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall of thermoplastic (PVC).  
Compounds suitable for use at 80°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C and  
where not subjected to flexing or motion.

Style 1077 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan or Fiberglas, Dacron or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall of thermoplastic (PVC).  
Compounds suitable for use at 80°C.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check \*Program \* \* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C and  
where not subjected to flexing or motion.

Style 1078 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan or Fiberglas yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 90°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Physical Properties of Insulation, unaged Class 43.  
\*Representative Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Physical Properties of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigerators and  
where not subjected to flexing or motion.



Style 1079 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan or Fiberglas yarn core.

---

Insulation Nominal 1/32-inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 90°C.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 90°C and where  
not subjected to flexing or motion.

Style 1080 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester, Rayon, or Fiberglas yarn core.

---

Insulation 30 mils minimum average, 27 mils minimum at any point wall of Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, Class 43.  
\*Representative Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.

Style 1081 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1082 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating 75°C, 250 Volts.

---

Conductor Copper or copper alloy, size varies dependent upon wattage demand.

---

Insulation Nominal 1/32 Inch wall thermoplastic (PVC).

---

Covering Extruded Zytel 33; Apex Tire & Rubber No. 71, 74 or 75; Foster Grant No. 545, 556, 641: Allied Chemical "Plaskon" 8200HS-1 or "Plaskon" 8220 nylon in 3-mil minimum thickness.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination, UL 62.  
\*Representative Tensile Strength and Elongation of Insulation, Class 43,  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.

---

UL Counter-Check \*Program (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation, same as for Class 43.  
(4) Heat Shock, Deformation, and Cold Bend (at minus 10°C) same as for Class 43, UL 62.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures Not exceeding 75°C." The conductor alloy designation shall be included. Ohms per foot rating (optional marking).

Style 1083 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating 90°C, 600 Volts.

---

Conductor Copper or copper alloy, size varies dependent upon wattage demand.

---

Insulation Nominal 1/32 Inch wall Thermoplastic (PVC).

---

Covering Extruded Zytel 33; Apex Tire & Rubber No. 71, 74 or 75; Foster Grant No. 545,556,641; Allied Chemical "Plaskon" 8200HS-1 or "Plaskon" 8220 nylon in 3-mil minimum thickness.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\*  
\* Detailed Examination, UL 62.  
Tensile Strength and Elongation of Insulation, Class 43,  
\*  
Dielectric Strength Test.  
Spark Test, 7500 Volts.

---

UL  
\*Counter-Check Program  
\*  
\* (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
(4) Heat Shock, Deformation, and Cold Bend (at minus 10°C) same as for Class 43, UL 62.  
(4) Horizontal Flame Test.  
(4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C." The conductor alloy designation shall be included. Ohms per foot rating (optional marking).

Style 1084 Thermoplastic (PVC) - Insulated Resistance Wire  
For Heating Cable Units.

---

Rating 75°C, 250 Volts.

---

Conductor Copper or copper alloy. Size varies dependent upon  
wattage demand.

---

Insulation Nominal 3/64-Inch wall Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
(4) Heat Shock, Deformation, and Cold Bend (at minus  
10°C) same as for Class 43.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity, at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for  
Heating Cable Units where exposed to temperatures not  
exceeding 75°C." The conductor alloy designation  
shall be included. Ohms per foot rating (optional  
marking).

Style 1085 Thermoplastic (PVC) - Insulated Resistance Wire  
For Heating Cable Units.

---

Rating 90°C, 250 Volts.

---

Conductor Copper or copper alloy, size varies dependent upon  
wattage demand.

---

Insulation Nominal 3/64-Inch wall Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

(4) Heat Shock, deformation, and cold bend (at minus  
10°C) same as for Class 43, UL 62.

\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for  
Heating Cable Units where exposed to temperatures not  
exceeding 90°C." The conductor alloy designation shall  
be included. Ohms per foot rating (optional marking).

Style 1086 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
5 Mil nominal (4.6 mil minimum) diameter shall be  
wound spirally for a minimum of 25 turns per inch  
on a Fortisan, Dacron, Cordura, Fiberglas, Cotton  
or Rayon yarn core.

---

Insulation Minimum average 25 Mils (23 mil minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet, using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

\*Use In Electrically Heated Blankets.



Style 1087 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
9.8 Mils nominal (8.4 Mils minimum) diameter shall  
be wound spirally for a minimum of 36 turns per  
inch on a Fortisan, Dacron, Cordura, Fiberglas,  
Cotton or Rayon yarn core.

---

Insulation Minimum average 25 Mils (23 Mil minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet, using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program after aging same as for Class 43, Section G.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.

Style 1088            Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Electrically Heated Blankets.

---

Rating                75°C, 125 V.

---

Conductor            A copper alloy or hard drawn conductor 3.6 mils  
minimum and 11.3 mils maximum diameter shall be  
wound spirally for a minimum of 27 turns per inch  
to a maximum of 70 turns per inch on a Fortisan,  
Dacron, Cordura, Fiberglas, Cotton or Rayon yarn  
core.

---

Insulation            Minimum average 20 Mil (18 Mils minimum at  
any point) Thermoplastic (PVC).

---

\*Standards            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination,  
to UL                    Tensile Strength and Elongation of  
\*Representative        Insulation, Class 43.  
\*                        Spark Test, 6000 V.  
                          Insulation Resistance at room temperature  
                          (min 1 megohm - 1000 ft) use Column IV  
                          for temperature correction factors, UL 83.  
Dielectric Strength, 1500 V.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of  
Program                Insulation, same as for Class 43.  
                          \*  
\*                        (4) Horizontal Flame Test.  
                          (4) Heat Shock.  
                          (4) Cold Bend (at minus 10°C) same as for Class 43.

---

\*Marking              General.

---

Use                    In Electrically Heated Blankets.

Style 1089 Thermoplastic (PVC) - Insulated Wire For Use In  
Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
5 Mils nominal (4.6 Mil minimum) diameter shall be  
wound spirally for a minimum of 30 turns per inch  
on a Fortisan, Dacron, Cordura, Fiberglas, Cotton  
or Rayon yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to Temperatures not exceeding 75°C.

Style 1090 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
5.6 Mils nominal (5.2 Mils minimum) diameter shall  
be wound spirally for a minimum of 27 turns per inch  
on a Fortisan, Dacron, Cordura, Fiberglas, Cotton  
or Rayon yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, old Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed to  
temperatures not exceeding 75°C.

Style 1091 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
7.9 Mils nominal (7.4 Mils minimum) diameter shall  
be wound spirally for a minimum of 35 turns per inch  
on a Fortisan, Dacron, Cordura, Fiberglas, Cotton  
or Rayon yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1092 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
8.9 Mils nominal (8.4 Mils minimum) diameter shall  
be wound spirally for a minimum of 29 turns per inch  
on a Fortisan, Dacron, Cordura, Cotton, Fiberglas  
or Rayon yarn core.

---

Insulation Minimum average 20 Mil (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1 for  
temperature correction factors.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1093 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor  
10.0 Mils nominal (9.7 Mils minimum) diameter shall  
be wound spirally for a minimum of 30 turns per inch  
on a Fortisan, Dacron, Cordura, Fiberglas, Cotton or  
Rayon yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use Temperature marker not required.  
In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1094 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 11.0 mils  
nominal (10.7 Mils minimum) diameter shall be wound  
spirally for a minimum of 38 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 43.1  
for temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.



Style 1095 Polyvinyl Chloride - Insulated Wire.

---

Rating 80°C, 300 Volts.

---

\*Conductor No. 30-16 AWG, tinned or bare copper.

---

Insulation 12 mil minimum average, 9-1/2 mil min at any point wall of polyvinyl chloride.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same  
\*Representative as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test

---

\*Marking General.

---

Use Internal Wiring in Electric Bookkeeping, Accounting, Time-Recording Machines, Electronic, Medical or Dental Equipment, if within a chassis or protected from mechanical injury.

Style 1096                      Nominal 12-Mil Thermoplastic (PVC) - Insulated Wire For  
Business Machine Use.

---

Rating                              80°C, 300 Volts.

---

\*Conductor                      No. 26-16 AWG tinned or bare copper.

---

Insulation                      Nominal 12-Mil (minimum 9-1/2 Mil) wall thermoplastic (PVC).

---

Covering  
\*                                      Extruded Zytel 33 nylon in 2-Mil minimum thickness or  
lacquered braid.

---

\*Standard                      Appliance Wiring Material UL 758.

---

Instructions                      Detailed Examination.  
to UL                                      Tensile Strength and Elongation of Insulation,  
\*Representative                      same as for Class 43.  
\*                                      Spark Test.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
Program                                      \*  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.  
\*                                      (4) Dielectric Strength Test.

---

\*Marking                      General.

---

Use                                      Internal Wiring in Electric Bookkeeping, Accounting or  
Time-Recording Machines where exposed to temperatures  
not exceeding 80°C.

Style 1097                      Thermoplastic (Polyethylene) - Insulated Lead  
Wire For Business Machine Use.

---

Rating                              80°C, 300 Volts.

---

Conductor                          No. 24-20 AWG. solid or stranded with No. 30 AWG.  
\*                                      or smaller strands, tinned or bare copper.

---

Insulation                          Flame-retardant Polyethylene in wall of 14-Mil  
minimum average; 12-Mil minimum at any point.

---

Covering                              Extruded Zytel 33 nylon in 2-Mil minimum thickness  
\*                                      or lacquered braid.

---

\*Standard                            Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                    Tensile Strength and Elongation of Insulation,  
\*Representative                      same as for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL                                      (4) Detailed Examination.  
\*Counter-Check                      (4) Flexibility, but using mandrel 1/8 inch  
Program                                diameter.  
    (4) Heat Shock, Class 43, but at 100°C.  
    (4) Deformation, Class 43, but at 100°C, using  
    250 gram weight.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring in Electric Bookkeeping,  
Accounting, or Time-Recording Machines where exposed  
to temperatures not exceeding 80°C.

Style 1098 High Voltage Electric Discharge Lamp Wire.

---

Rating 60°C, 2000 Volts.

---

Conductor No. 18 AWG. solid copper, tinned or untinned.

---

Insulation Polyethylene, 0.034 in. minimum thickness.

---

Jacket Polyvinyl chloride, 0.025 in. minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tests, same as GTO-5.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Deformation, except at 100°C.  
\*Program (4) Cold Bend.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

---

Use With Electric Discharge Lamps at temperatures  
not exceeding 60°C.

Style 1099            Nominal 1/64-Inch Thermoplastic (PVC) - Insulation  
Wire For Appliance Hook-Up Use.

---

Rating                80°C, 300 Volts.

---

\*Conductor            No. 28 AWG. solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/64-Inch wall Thermoplastic (PVC) compounds  
suitable for use at 80°C in air or 60°C in oil, or  
Bulletin compounds if marked for use at 80°C in air  
and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                         Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                         (4) Heat Shock.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.  
\*                         (4) Deformation.

---

\*Marking                General.

---

Use                     Internal Wiring of Appliances where exposed to  
temperatures not exceeding 80°C; or Internal Wiring  
of Appliances where exposed to temperatures not  
exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable).









Style 1103 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 75°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound  
for a minimum 20 turns per inch on a Rayon, Cotton,  
Fortisan, Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation,  
\* same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Class 43.  
(4) Heat Shock, Class 43.  
(4) Deformation, Class 43.  
(4) Cold Bend, Class 43 except at minus 10°C.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 75°C and  
where not subjected to flexing or motion.

Style 1104 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 5-Mil  
nominal (4.6 mil minimum) diameter shall be wound  
spirally for a minimum of 35 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core.

---

Insulation Minimum average 20-Mils (18-Mil minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

\*Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, same  
\*Representative as for Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
10 megohms - 1000 feet, using Column IV, Table 13  
for temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Class 43, UL 62.  
(4) Cold Bend, Class 43 except at minus 10°C, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.

Style 1105 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 8-Mil  
nominal (7.5 mil minimum) diameter shall be wound  
spirally for a minimum of 35 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton, or  
Rayon yarn core.

---

Insulation Minimum average 20-Mils (18-Mil minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, same  
\*Representative as for Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
10 megohms - 1000 feet, using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Class 43, UL 62.  
(4) Cold Bend, Class 43 except at minus 10°C, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.

Style 1106 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 11.0-Mil  
nominal (10.5 mil minimum) diameter shall be wound  
spirally for a minimum of 40 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or  
Rayon yarn core.

---

Insulation Minimum average 20-Mils (18-Mil minimum at any point)  
Thermoplastic (PVC)

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, same  
\*Representative as for Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
10 megohms - 1000 feet, using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Class 43, UL 62.  
(4) Cold Bend, Class 43 except at minus 10°C, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.



UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1107A

APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: Oct. 25, 2000

\*Marking                    General.

---

Use                         Internal Wiring of Electronic Equipment.

Style 1108 Thermoplastic (PVC) - Insulated Wire for Electronic use.

---

Rating 80°C, 300 Volts.

---

Conductor No. 30 - 16 AWG solid or stranded, plated, tinned or bare  
\* copper.

---

\*Insulation PVC 15 mils min average, 13 mils min at any point or FEP or  
PTFE teflon. 13 mils min average, 12 mils min at any point  
or Labeled or Complies with manufacturer's Procedure having  
a min rating of 300 Volts and 80°C.

---

Covering Optional, Lacquered glass, rayon cotton.

---

\*Shielding Optional.

---

Jacket 15 mils min average, 13 mils min at any point Thermoplastic  
(PVC) jacket shall be applied.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation Class 43,  
\*Representative and Jacket, Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation and  
\*Program Jacket.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wire of electronic equipment.

Style 1109            Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Electronic Use.

---

Rating                90°C, 300 Volts.

---

\*Conductor            No. 26-16 AWG, solid or stranded, tinned or bare.

---

Insulation            PVC or Labeled irradiated PVC, Single (or complies with  
Manufacturer's AWM procedure) 15 mils min. avg., 13 mils  
min. at any point, suitable for 90°C.

---

Shielding             Shielding over conductor insulation shall consist of  
No. 38-30 AWG. tinned copper strands applied as a  
wrap or braid.

---

Jacket                 Over the shielding a nominal 1/64-Inch Thermoplastic  
(PVC) jacket shall be applied. Bulletin compounds  
rated 90°C.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation  
\*Representative        and Jacket, same as for Class 43.  
\*                         Spark Test, 3000 Volts.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation  
\*Program              and Jacket.  
\*                         (4) Heat Shock.  
                          (4) Deformation, Class 43.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     For Electronic Use.



Style 1110 Thermoplastic (PVC) - Insulated and Jacketed Wire.

---

Rating 105°C, 300 VAC or 600 VDC.

---

\*Conductor No. 26-16 AWG, solid or stranded, tinned or bare.

---

Insulation PVC or Labeled irradiated PVC, single (or complies with Manufacturer's AWM procedure) 15 mils min avg., 13 mils min. at any point, suitable for 105°C.

---

\*Shielding Optional.

---

Jacket PVC, 15 mils min. avg., 13 mils min. at any point, compounds suitable for use at 105°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation and Jacket, same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation and Jacket.  
\*Program (4) Heat Shock.  
\* (4) Deformation, Class 43.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For use in electronic equipment.

Style 1111                      Nominal 8-Mil Thermoplastic (PVC) - Insulated  
Wire For Business Machine Use.

---

Rating                              60°C, 300 Volts.

---

Conductor                          No. 26-16 AWG. having No. 30 AWG. or smaller  
\*                                      tinned or bare copper.

---

Insulation                          Nominal 8-Mil wall Thermoplastic (PVC). 6-Mil  
minimum at any point.

---

\*Covering                          Lacquered braid required.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation,  
\*Representative                      same as for Class 43.  
\*    Spark Test.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
\*Program                              (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.  
\*    (4) Dielectric Strength Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring in Electric Bookkeeping, Accounting,  
or Time-Recording Machines where exposed to  
temperatures not exceeding 60°C.

Style 1112            Nominal 1/64-Inch Thermoplastic (Polyethylene) -  
Insulated Wire for Appliance Hook-Up Use.

---

Rating                80°C, 300 Volts.

---

\*Conductor            No. 26-16 AWG. solid or stranded, tinned or bare copper.

---

\*Insulation            Nominal 1/64-Inch wall of flame retardant Polyethylene.

---

Covering              Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard              Appliance Wiring Material UL 758.

---

Instructions to UL      Detailed Examination.  
\*Representative      Tensile Strength and Elongation of Insulation,  
\*                            same as for Class 43.  
\*                            Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
\*Counter-Check      (4) Flexibility, but using mandrel 1/8 inch  
Program                diameter.  
                            (4) Heat Shock, Class 43, but at 100°C.  
                            (4) Deformation, Class 43, but at 100°C, using  
                            250 gram weight.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking                General.

---

Use                     In Appliances at temperatures not exceeding 80°C.



Style 1114	Nominal 8-Mil Thermoplastic (PVC) - Insulated Shielded Wire with 1/32-Inch Jacket.
Rating	80°C, Voltage not specified.
Conductor	No. 26-16 AWG. solid or stranded, tinned or bare. *
Insulation	Nominal 8-Mil wall (6-Mil minimum) Thermoplastic (PVC).
*Fibrous Covering	Lacquered braid.
Shielding	Shielding over conductor shall consist of No. 36-30 AWG. tinned or untinned copper strands applied as a wrap or braid.
Jacket	Over the shielding, a nominal 1/32-Inch Thermoplastic (PVC) jacket of compound suitable for use at 80°C.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed Examination. Tensile Strength and Elongation of Insulation and Jacket, same as for Class 43. Spark Test, 3000 Volts.
UL Counter-Check Program * * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. * (4) Tensile Strength and Elongation of Jacket. (4) Heat Shock. (4) Deformation, Class 43. (4) Cold Bend. (4) Flame Test.
*Marking	General.
Use	Phonograph Pick-Up and Volume Control; or in the Internal Wiring of Appliances at temperatures not exceeding 80°C.

Style 1115            Thermoplastic (PVC) - Insulated, Shielded, and Jacketed Wire.

---

Rating                80°C, Volts 300 (Insulation), 600 (Jacket).

---

Conductor  
\*                      Nos. 30-16 AWG, solid or stranded, tinned or bare copper.

---

Insulation            Thermoplastic (PVC) 15 mils min. avg., 13 mils min. at any point wall.

---

\*Shielding            Optional.

---

Jacket                Thermoplastic (PVC) 30 mils min. avg., 23 mils min. at any point wall.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\*                      Detailed Examination.  
                         Tensile Strength and Elongation of Insulation and Jacket, same as for Class 43.  
                         Spark Test, 3000 volts.

---

UL Counter-Check  
\*Program  
\*                      (4) Detailed Examination.  
                         (4) Tensile Strength and Elongation of Insulation and Jacket.  
\*                      (4) Heat Shock.  
                         (4) Deformation, Class 43.  
\*                      (4) Cold Bend.  
\*                      (4) Flame Test.

---

\*Marking              General.

---

Use                    Phonograph pick-up and volume control; or as internal wiring of appliances. Tags may also indicate that the insulation is suitable for 600 volts peak - for electronic use.

Style 1116            Thermoplastic (PVC) - Insulated, and Jacketed Wire.

---

Rating                80°C, 600 V.

---

\*Conductor            No. 30-12 AWG solid or stranded.

---

Insulation            Thermoplastic (PVC), 30 mils min avg.,  
27 mils at any point.

---

\*Shielding            (Optional).

---

Jacket                Thermoplastic (PVC), 30 mils min avg.,  
24 mils at any point.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation  
\*Representative        and Jacket, same as for Class 43.  
\*                         Spark Test, 3000 V.

---

\*UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of  
\*Program                Insulation and Jacket, Class 43.  
\*                         (4) Heat Shock.  
                          (4) Deformation, Class 43.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.

---

\*Marking             General.

---

\*Use                    Internal wiring of appliances, or electronic  
equipment. Tags may indicate the following:  
"2500 Volt Peak for Electronic Use Only"





Style 1118 Thermoplastic (PVC) - Insulated, Shielded, and Jacketed Wire.

---

Rating 90°C, Volts 300 (Insulation), 600 (Jacket).

---

Conductor Nos. 26-16 AWG solid or stranded, tinned or bare copper.  
\*

---

Insulation Thermoplastic (PVC), 15 mils min. avg., 13 mils min. at any point wall.

---

Fibrous (Optional) Lacquered braid.  
Covering

---

\*Shielding (Optional).

---

Jacket Thermoplastic (PVC) 30 mils min. avg., 23 mils min. at any point wall.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation and  
\*Representative Jacket, same as for Class 43.  
Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation  
\*Program and Jacket.  
\* (4) Heat Shock.  
(4) Deformation, Class 43.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Phonograph Pick-Up and Volume Control; or as Internal Wiring of Appliances. Tags may also indicate that the insulation is suitable for 600 Volts peak - for electronic use.



Style 1120 PVC Insulated, Shielded and Jacketed Wire.

---

Rating 105°C, 600 Volts.

---

\*Conductor 30-4/0 AWG solid or stranded, tinned or bare.

---

Insulation Extruded PVC, Class 43.

<u>AWG</u>	<u>Min Avg, Mils</u>	<u>Min At Any Point, Mils</u>
30-10	30	27
9-8	45	40
7-2	60	54
1-4/0	80	72

---

\*Shield (Optional)

---

\*Jacket Extruded PVC, Class 43.

<u>AWG</u>	<u>Min Avg, Mils</u>	<u>Min At Any Point, Mils</u>
30-2	30	24
1-4/0	45	36

---

\*Shield Optional.

---

Jacket Optional, PVC Class 43, 30 mils min avg.,  
24 mils min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative and Jacket, same as for Class 43.  
\* Spark Test.

---

(continued on Page 1120A)

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation and Jacket.  
\* (4) Heat Shock.  
\* (4) Deformation, Class 43.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of appliances or phonograph pick  
up and volume control.

Style 1121            Nominal 8-Mil Thermoplastic (PVC) - Insulated  
Wire For Business Machine Use.

---

Rating                60°C, Voltage not specified.

---

Conductor            No. 24-20 AWG. having 7 strands tinned or bare  
\*                      copper.

---

Insulation            Nominal 8-Mil Thermoplastic (PVC), 6-Mil minimum  
at any point.

---

\*Covering            Lacquered braid required.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                          Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                after aging, same as Class 43.  
\*                          (4) Heat Shock.  
\*                          (4) Deformation.  
\*                          (4) Cold Bend.  
\*                          (4) Horizontal Flame Test.  
\*                          (4) Dielectric Strength Test.

---

\*Marking             General.

---

Use                    Internal Wiring in Electric Bookkeeping,  
Accounting, or Time-Recording Machines where  
exposed to temperatures not exceeding 60°C.

Style 1122 Thermoplastic (Special PVC) - Insulated Wire.

---

Rating 80 deg. C, 300 V.

---

Conductor No. 30 AWG solid or stranded, tinned or bare copper.

\*

---

Insulation SR-PVC, Nominal 9 mil wall 8 mil minimum at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, before aging,  
\* Flexing.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Shavers.

Style 1123                      Shielded Thermoplastic Insulated Wire with  
1/64-Inch Wall Jacket.

---

Rating                              80°C, 300 Volts.

---

Conductor  
\*                                      No. 22 or 20 AWG. tinned or untinned, solid or  
stranded.

---

Insulation                              Nominal 1/32-Inch wall Thermoplastic (PVC) compound  
suitable for use at 80°C.

---

Shielding                              Shielding over conductor insulation shall consist  
of No. 36-30 AWG. tinned or untinned copper wire  
applied as a wrap or braid.

---

Jacket                                      Nominal 1/64-Inch wall of Thermoplastic (PVC)  
compound shall be the same as used for conductor  
insulation.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                          Tensile Strength and Elongation of Insulation and  
\*    Jacket, same as for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation  
\*Program                                      and Jacket.  
\*    (4) Heat Shock.  
\*    (4) Deformation, Class 43.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                      General.

---

Use    At a maximum operating temperature of 80°C,  
where the suitability of the combination has been  
determined by Underwriters Laboratories, Inc.

Style 1124 Shielded Thermoplastic Insulated Wire with  
1/32-Inch Wall Jacket.

---

Rating 80°C, 300 Volts.

---

Conductor No. 22 or 20 AWG. tinned or untinned, solid or  
\* stranded.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Shielding Shielding over conductor insulation shall consist  
of No. 36-30 AWG. tinned or untinned copper wire  
applied as a wrap or braid.

---

Jacket Nominal 1/32-Inch wall of thermoplastic (PVC)  
compound shall be the same as used for conductor  
insulation.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation and  
\*Representative Jacket, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed.  
Counter-Check (4) Tensile Strength and Elongation of Insulation  
\*Program and Jacket.  
\* (4) Heat Shock.  
(4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use At a maximum operating temperature of 80°C,  
where the suitability of the combination has been  
determined by Underwriters' Laboratories, Inc.



Style 1125 Thermoplastic (PVC) - Insulated Wire for Use In  
Refrigerator Mullion Heating.

---

Rating 75°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon, Cotton,  
Fortisan, Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test, 6000 Volts.

---

UL Counter-Check Program \* \* \* \*  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1126 Thermoplastic (PVC) - Insulated Wire for Use  
in Refrigerator Mullion Heating.

---

Rating 75°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).

---

Covering Extruded Zytel 33 nylon with a 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1127 Thermoplastic (PVC) - Insulated Wire For Use  
In Refrigerator Mullion Heating.

---

Rating 75°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC).

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test, 6000 Volts.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation,  
\* (4) Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1128 Thermoplastic (PVC) - Insulated Wire For Use  
In Refrigerator Mullion Heating.

---

Rating 75°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglass, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC).

---

Covering Extruded Zytel 33 nylon with a 2-Mil minimum  
thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1129 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC) compound  
suitable for use at 80°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1130 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing use.

Style 1131 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1132 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Covering Extruded Zytel 33 nylon with 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing is use.



Style 1133 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall of thermoplastic (PVC)  
compound suitable for use at 90°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1134 Thermoplastic (PVC) - Insulated Wire For Use In Refrigerator Mullion Heating.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound for a minimum of 25 turns per inch on a Rayon, Cotton, Fortisan, Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC) compound suitable for use at 90°C.

---

Covering Extruded Zytel 33 nylon with 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination. Tensile Strength and Elongation of Insulation, Class 43. Spark Test, 6000 Volts.

---

UL Counter-Check Program \* \* \* \* (4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. \* (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not subjected to repeated flexing in use.

Style 1135 Thermoplastic (PVC) - Insulated Wire For Use  
In Refrigerator Mullion Heating.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 90°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1136 Thermoplastic (PVC) - Insulated Wire For  
Use In Refrigerator Mullion Heating.

---

Rating 90°C, 300 V.

---

Conductor Min 1.75 mils dia resistance wire wound  
for a min of 25 turns per in on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or  
Cordura yarn core.

---

Insulation Nominal 3/64 in wall of thermoplastic  
(PVC) compound suitable for use at 90°C.

---

Covering Extruded Zytel 33 nylon with 2-mil min  
thickness

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of  
Representative Insulation, Class 43.  
\* Spark Test, 6000 V.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where  
not subjected to repeated flexing in use.

Style 1137            Thermoplastic (PVC) - Insulated Wire for use in  
Refrigerator Mullion Heating.

---

Rating                105 deg. C, 300 V.

---

Conductor            No. 28 AWG or larger solid or stranded resistance  
wire alloy, or minimum 1.3 mils diameter  
resistance wire wound for a minimum of 10 turns  
per inch on a Rayon, Cotton, Fortisan, Fiberglass,  
Dacron, or Cordura yarn core. Core may be coated  
with Silicon Rubber.

---

Insulation            Nominal 30 mils minimum average, 27 mils minimum  
at any point wall of Thermoplastic (PVC).

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
Representative            Class 43.  
\*                            Spark Test, 6000 V.

---

UL                      (4) Detailed Examination.  
Counter-Check            (4) Tensile Strength and Elongation of Insulation.  
Program                    \*  
\*                            (4) Heat Shock.  
\*                            (4) Deformation.  
\*                            (4) Cold Bend.  
\*                            (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                      For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1138 Thermoplastic (PVC) - Insulated Wire For Use In  
Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon with 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1139 Thermoplastic (PVC) - Insulated Wire For Use in  
Refrigerator Mullion Heating

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a rayon,  
cotton, fortisan, figerglas, dacron, or cordura yarn  
core.

---

Insulation Nominal 3/64-inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Tensile Strength and Elongation of Insulation,  
Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing in use.

Style 1140 Thermoplastic (PVC) - Insulated Wire For Use  
In Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon with 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeated flexing is use.



Style 1141            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated Wire For  
Internal Wiring of Electric Refrigerating Equipment.

---

Rating                75°C, 300 Volts

---

Conductor            No. 20-16 AWG. No. 20 AWG. shall be solid or  
                          stranded. No. 18-16 AWG. shall be stranded. All  
                          stranded conductors shall consist of No. 30 AWG. or  
                          smaller strands. All conductors shall be tinned or  
\*                       bare copper.

---

Insulation            Nominal 1/32-Inch Wall Thermoplastic (PVC).

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                 Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test.  
                          Insulation Resistance shall be not less than  
                          1 megohm - 1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Class 43.  
                          (4) Heat Shock, Class 43.  
                          (4) Deformation, Class 43.  
                          (4) Cold Bend, Class 43.  
\*                        (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                   Internal wiring of lighting circuits in  
Refrigerating Equipment.

Style 1142                      Nominal 4/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Refrigerating Equipment.

---

Rating                              75°C, 600 Volts.

---

Conductor  
\*                                      No. 18-10 AWG. consisting of No. 30 AWG. or smaller  
stranded copper, tinned or bare.

---

Insulation                              Nominal 4/64-Inch wall of Thermoplastic (PVC).

---

Covering                              None.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation,  
\*    same as for Class 43.  
    Spark Test.  
    Insulation Resistance shall be not less than  
    1 megohm - 1000 feet.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation,  
Program    same as for Class 43.  
    (4) Heat Shock, Class 43.  
    (4) Deformation, Class 43.  
    (4) Cold Bend, Class 43.

---

\*Marking                                      General.

---

Use    Internal wiring of Electric Refrigerating Equipment.

Style 1143            Nominal 5/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of room Cooler Units.

---

Rating                75°C, 600 Volts.

---

Conductor            No. 14-10 AWG. consisting of No. 30 AWG. or smaller  
\*                      stranded copper, tinned or bare.

---

Insulation            Nominal 5.64-Inch wall Thermoplastic (PVC).

---

Covering              None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test.  
                          Insulation Resistance shall be not less than  
                          1 megohm - 1000 feet.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Class 43.  
                          (4) Heat Shock, Class 43.  
                          (4) Deformation, Class 43.  
                          (4) Cold Bend, Class 43.

---

\*Marking              General.

---

Use                    Internal wiring of Room Cooler Units.

\*Style 1144 Thermoplastic (PVC) - Insulated Sensor Wire For  
Use In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper cadmium alloy ("Hitenso") wire 5 mil dia.  
flattened to 10 mil wire shall be applied for approx.  
33 turns per inch over a glass yarn core. Over this  
assembly shall be applied approx. 10 mils Geon 82726.  
Over the thermoplastic shall be another copper cadmium  
alloy ("Hiltensio") wire 5 mil dia. Flattened to 10 mil.  
wide for approx. 19 turns per inch.

---

Insulation Average thickness 18 mils (16 mils minimum at any point).  
Thermoplastic (PVC), Geon 8800 (TCF Column IV).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, Class 43  
\*Representative \*  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
temperature not exceeding 75°C.

Style 1145 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy heater wire shall be flattened to a width of 13 to 19 mils and wrapped spirally for a minimum of 36 turns per inch on a glass yarn core. The core and conductor are then insulated with two extruded walls of nylon (avg. thickness of first wall, 6 mils; avg. thickness of second wall, 5 mils). Over the nylon a copper alloy signal wire, flattened to a width of 13 to 19 mils, shall be wrapped spirally for a minimum of 20 turns per inch.

---

Insulation Average thickness 20 mils (18 mils minimum at any point) Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination, UL 62.  
Tensile Strength and Elongation of Insulation, Class 43.  
Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than 1 megohm - 1000 feet using Column IV, Table 13 for temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL Counter-Check  
\*Program  
\* (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation, same as for Class 43.  
(4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed to temperatures not exceeding 75°C.

Style 1146            Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Use In Internal Wiring of Blanket Controls.

---

Rating                60°C, 300 Volts.

---

\*Conductor            No. 28-16 AWG. solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/64-Inch wall of Class 43 compound.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions to UL     Detailed Examination.  
\*Representative        Tensile Strength and Elongation of Insulation,  
\*                            same as for Class 43.  
                             Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Class 43.  
                             (4) Heat Shock, Class 43.  
                             (4) Cold Bend, Class 43.  
\*                        (4) Horizontal Flame Test.  
                             (4) Deformation, Class 43.

---

\*Marking              General.

---

Use                     Internal wiring of Blanket Controls at  
                             temperatures not exceeding 60°C.

Style 1147 Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Use In Internal Wiring of Blanket Controls.

---

Rating 60°C, 300 Volts.

---

Conductor No. 26-16 AWG. stranded, tinned or bare copper.  
\*

---

Insulation Nominal 1/64-Inch wall of Class 43 compound.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness  
\* or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Class 43.  
(4) Heat Shock, Class 43.  
(4) Cold Bend, Class 43.  
\* (4) Horizontal Flame Test.  
(4) Deformation, Class 43.

---

\*Marking General.

---

Use Internal wiring of Blanket Controls at  
temperatures not exceeding 60°C.





Style 1149            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire For Use In Internal Wiring of Blanket Controls.

---

Rating                60°C, 600 Volts.

---

\*Conductor            No. 26-16 AWG. stranded, tinned or bare copper.

---

Insulation            Nominal 1/32-Inch wall of Class 43 compound.

---

Covering  
\*                        Extruded Zytel 33 nylon in 2-Mil minimum thickness  
or lacquered braid.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions  
to UL                    Detailed Examination.  
\*Representative        Tensile Strength and Elongation of Insulation,  
\*                            same as for Class 43.  
                             Spark Test.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Class 43.  
                             (4) Heat Shock, Class 43.  
                             (4) Cold Bend, Class 43.  
\*                        (4) Horizontal Flame Test.  
                             (4) Deformation, Class 43.

---

\*Marking              General.

---

Use                     Internal wiring of Blanket Controls at  
temperatures not exceeding 60°C.

Style 1150 Nominal 1/32-Inch Thermoplastic (Polyethylene)-  
Insulated, Shielded and Thermoplastic (PVC)  
Jacketed Wire for Electronic Use.

---

Rating 60°C, 300 Volts.

---

Conductor No. 26-16 AWG solid or stranded, tinned or bare.  
\*

---

Insulation Nominal 1/32-Inch wall of Polyethylene or Flame-  
Retardant Polyethylene.

---

Shielding Shielding over conductor insulation shall consist  
of No. 38-30 AWG. tinned or untinned copper strands  
applied as a wrap or a braid or a wrap of aluminum  
faced "Mylar" tape with a parallel uninsulated drain  
wire or a conductive PVC shield with a parallel  
uninsulated drain wire.

---

Jacket Over the shielding a nominal 1/64-Inch wall jacket  
of Thermoplastic (PVC) Class 11 shall be applied.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative before aging for Polyethylene and  
for Flame-Retardant Polyethylene.  
Tensile Strength and Elongation of Jacket same as  
\* for Class 43.  
\* Spark test, 3000 volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation, for Polyethylene and  
\*Program for Flame-Retardant Polyethylene.  
(4) Jacket, Physical Properties, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

(Continued on Page 1150A)

UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1150A

APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: October 26, 2000

\*Marking                      General.

---

Use                              For Electronic use in Non-Hazardous Locations.

Style 1151 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 125 Volts.

---

Conductor A nichrome conductor, minimum diameter 0.0025 inches,  
wound for a minimum of 20 turns per inch on a  
Fiberglas, Dacron, or Cordura core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigerating Equipment to  
prevent condensation of moisture on the outside of  
freezer cabinets. Marking shall state: Use only in  
the Internal Wiring of Electric Refrigerators where  
the acceptability of the combination has been determined  
by Underwriters Laboratories, Inc.

Style 1152            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated Wire for  
Internal Wiring of Electric Refrigeration Equipment.

---

Rating                105°C, 300 Volts.

---

Conductor            No. 20-16 Awg. No. 20 AWG. shall be solid or stranded.  
No. 18-16 AWG. shall be stranded. All stranded conductors  
\* shall consist of No. 30 AWG. or smaller. All conductors  
either tinned or bare copper.

---

Insulation            Nominal 3/64-Inch Wall Thermoplastic (PVC). Compound  
suitable for use at 105°C.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same as for  
\*Representative    Class 43.  
\*                    Spark Test.  
                      Insulation Resistance shall be not less than one megohm -  
                      1000 feet.

---

UL                    (4) Detailed Examination.  
\*Counter-Check    (4) Tensile Strength and Elongation of Insulation.  
\*Program            (4) Heat Shock, Class 43.  
\*                    (4) Deformation, Class 43.  
\*                    (4) Cold Bend, Class 43, but minus 10°C.  
\*                    (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal wiring of Lighting Circuits in Refrigerating  
Equipment.

\*Style 1153 Thermoplastic (Polyethylene) - Insulated, Shielded  
and Thermoplastic (PVC) Jacketed Wire For Use In  
Stereophonic Amplifiers.

---

Rating 60°C, 300 Volts.

---

Conductor No. 22 AWG. stranded consisting of No. 30 AWG.  
\* tinned copper.

---

Insulation Minimum 42-Mils wall of Polyethylene or Flame-Retardant  
Polyethylene.

---

Shielding Consists of 40 ends of No. 34 AWG. tinned copper  
applied as a wap with 5 ends of No. 34 AWG. in a  
reverse wrap or 96 ends of No. 34 AWG. tinned  
copper applied as a braid.

---

Jacket Nominal 1/32-Inch wall of Thermoplastic (PVC) Class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, before  
\*Representative aging, for Polyethylene and for  
Flame-Retardant Polyethylene.  
Tensile Strength and Elongation of Jacket, same as  
\* for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation, for Polyethylene and  
Program for Flame-Retardant Polyethylene.  
(4) Jacket, Physical Properties, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In Stereophonic Amplifiers.

\*Style 1154 Thermoplastic Insulated Wire

---

Rating 105°C, 125 Volts.

---

Conductor No. 26 AWG. consisting of 10 strands of No. 36 AWG.  
\* or 19 strands No. 38 AWG. tinned copper.

---

Insulation Polyvinyl Chloride, 10 mils min avg, 8 mils min  
at any point, (Compounds - see Facing Page).

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In Electric Shavers where the acceptability  
of the combination has been determined by  
Underwriters Laboratories, Inc.

Style 1155 Thermoplastic (PVC) - Insulated Wire For Use In  
Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

\*Conductor A copper alloy or hard drawn copper conductor 5-mils  
nominal diameter shall be flattened and then wound  
spirally for a minimum of 60 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or  
Rayon yarn core.

---

Insulation Minimum average 20-mils (18-mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.



Style 1156 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 60°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 6.3-mils  
nominal (5.8-mils minimum) diameter shall be wound  
spirally for a minimum of 45 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core.

---

Insulation Minimum average 25-mils (23-mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.

Style 1157 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

\*Conductor A copper alloy or hard drawn copper conductor 5.0-mils nominal (4.5-mils minimum) diameter shall be wound spirally for a minimum of 21 turns per inch on a Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon yarn core.

---

Insulation Minimum average 25-mils (23-mils minimum at any point) Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination, UL 62.  
Tensile Strength and Elongation of Insulation, Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than 1 megohm - 1000 feet using Column IV, Table 13 for temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL Counter-Check  
\*Program (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation, after aging, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets.

Style 1158 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C, 300 Volts.

---

Conductor No. 26-9 AWG solid or stranded, tinned or bare copper.  
\*

---

Insulation 30 mils min avg, 27 mils at any point Thermoplastic,  
Class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same as for  
\*Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation, same as  
Program for Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

---

Use Internal Wiring in Electric Bookkeeping, Accounting, or  
Time-Recording Machines.



Style 1160 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C 300 V.

---

Conductor No. 26-16 AWG. solid or stranded, tinned or  
\* bare copper.

---

Insulation 15 mil min avg, 13 mil min at any point wall Thermoplastic  
(PVC), Class 43 compounds and may be suitable for use at  
60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation  
\*Program same as for Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed  
to temperature not exceeding 60°C; or  
where exposed to oil at a temperature not  
exceeding 60°C. Tags may also indicate  
the following:  
600 Volts Peak - For electronic use only.

Style 1161            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                60°C, 600 Volts.

---

\*Conductor            No. 26-9 AWG. solid or stranded, tinned or bare  
\*                        copper.

---

\*Insulation            Nominal 1/32-Inch wall Thermoplastic (PVC) Class 43  
                          compounds and may be suitable for use at 60°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                        Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
\*Program                same as for Class 43.  
\*                        (4) Heat Shock.  
\*                        (4) Deformation.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking              General.

---

\*Use                    Internal Wiring of Appliances where exposed  
                          to temperatures not exceeding 60°; or Internal  
                          Wiring of Appliances where exposed to temperatures  
                          not exceeding 60°C in air and where exposed to  
                          oil at a temperature not exceeding 60°C.  
                          Tags may indicate the following:  
                          2500 Volts Peak - For Electronic Use Only.



Style 1163            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Electric Refrigerating  
Equipment.

---

Rating	105°C, 300 Volts.
Conductor	No. 20-16 AWG. No. 20 AWG. shall be solid or stranded. No. 18-16 AWG. shall be stranded. All stranded conductors shall consist of No. 30 AWG. or smaller strands. All conductors shall be tinned or bare copper.
* Insulation	Nominal 1/32-Inch wall Thermoplastic (PVC) compound suitable for use at 105°C in air or 60°C in oil, or Bulletin compounds if marked for use at 105°C in air and 80°C in oil.
Covering	None.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Spark Test. Insulation Resistance shall be not less than 1 megohm - 1000 feet.
UL Counter-Check Program * * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. * (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Horizontal Flame Test.
*Marking	General.
Use	Internal Wiring of Lighting Circuits in Refrigerating Equipment where exposed to temperatures not exceeding 105°C; or Internal Wiring of Lighting Circuits in Refrigerating Equipment where exposed to temperatures not exceeding 105°C, or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable).



Style 1164 Extruded Tetrafluoroethylene Insulated Wire.

---

Rating 150°C, 300 Volts.

---

Conductor No. 32-10 AWG solid or stranded, silver plated,  
\* or nickel coated copper, nickel or nickel chrome  
\* alloy resistance conductor.

---

Insulation 13 mils min. avg., 12 mils min. at any point, of  
extruded Tetrafluoroethylene.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative before aging.  
\* Flexing.  
\* Spark Test, 4000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock, except at 250°C.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment and  
appliances. In addition, the tag may also  
indicate one or more of the following: Suitable  
for immersion in gasoline; gasoline vapor; 80°C in  
oil or 600 volts peak -- For Electronic Use Only.

Style 1165            Nominal 1/64-Inch Thermoplastic (Polyethylene) -  
Insulated Wire.

---

Rating                80°C, 300 Volts.

---

Conductor            No. 26-16 AWG. solid or stranded, tinned or bare  
\*                      copper.

---

Insulation            Nominal 1/64-Inch wall Thermoplastic (Polyethylene).

---

Jacket                Nominal 8-Mil wall Thermoplastic (PVC)  
(minimum at any point 6-mil).

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same  
\*Representative        as for Class 43.  
                      Tensile Strength and Elongation of Jacket, same  
\*                      as for Class 43.  
\*                      Spark Test, 3000 Volts.

---

UL                    (4) Detailed Examination.  
\*Counter-Check        (4) Flexibility of insulation.  
Program                (4) Jacket, same as Class 43, except test temperatures  
                          shall be 87°C.  
                          (4) Heat Shock, Class 43, but at 100°C.  
                          (4) Deformation, Class 43, but at 100°C for  
                          insulation using 250 gram weight.  
                          (4) Cold Bend.  
                          (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    In Appliances where exposed to temperatures  
                          not exceeding 80°C, or where exposed to oil at  
                          temperatures not exceeding 60°C.



Style 1167                      Nominal 1/32-Inch Thermoplastic (Polyethylene) -  
Insulated Wire.

---

Rating                              80°C, 600 Volts.

---

Conductor                          No. 26-16 AWG. solid or stranded, tinned or bare  
\*                                      copper.

---

Insulation                          Nominal 1/32-Inch wall Thermoplastic (Polyethylene).

---

Jacket                                Extruded Zytel 33 nylon, nominal thickness 5-mil,  
(minimum at any point 4-mil).

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation,  
\*Representative                      same as for Class 43.  
\*                                      Spark Test, 3000 Volts.

---

UL                                      (4) Detailed Examination.  
\*Counter-Check                      (4) Flexibility.  
Program                                (4) Heat Shock, Class 43, but at 100°C.  
    (4) Deformation, Class 43, but at 100°C.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      In Appliances where exposed to temperatures  
not exceeding 80°C, or where exposed to oil at  
temperatures not exceeding 60°C.

Style 1168 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C.

Style 1169 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 80°C.

Style 1170 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing wire  
not less than No. 26.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.

Style 1171 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing wire  
not less than No. 26 AWG.

---

Insulation Nominal 1/32-Inch wall of thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.



Style 1172 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 10 turns per inch on a Fortisan,  
Polyester yarn, or Fiberglas yarn core. A glass braid  
spacer shall be employed between the conductor and  
insulation.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C and  
where not subjected to flexing or motion.

Style 1173                      Thermoplastic (PVC) - Insulated Heating wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating                              105°C, 300 Volts.

---

Conductor                          Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 10 turns per inch on a Fortisan,  
Polyester yarn, or Fiberglas yarn core. A glass braid  
spacer shall be employed between the conductor and  
insulation.

---

Insulation                          Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket                                Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation,  
Representative                      Class 43.  
\*    Spark Test.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
Program                                \*  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1174 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum of 20 turns per inch on a  
Rayon, Cotton, Fortisan, Fiberglas, Dacron or  
Cordura yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigerating Equipment to  
prevent condensation of moisture on the outside of the  
freezer cabinet and where exposed to temperatures  
not exceeding 80°C.

Style 1175 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 20 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigeration Equipment  
to prevent condensation of moisture on the outside  
of the freezer cabinet and where exposed to  
temperatures not exceeding 80°C.

Style 1176            Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Electronic Use

---

Rating                80°C, voltage not specified.

---

\*Conductor            No. 26-16 AWG. solid or stranded, tinned or bare.

---

Insulation            Nominal 1/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for 80°C use.

---

Shielding             Shielding over conductor insulation shall consist of  
No. 38-30 AWG. tinned copper strands applied as a wrap  
or braid.

---

Jacket                 Nominal 1/32-Inch wall Thermoplastic (PVC)  
compounds suitable for 80°C use.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        and Jacket, same as for Class 43.  
\*                         Spark Test, 3000 volts.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation  
\*Program                and Jacket.  
\*                         (4) Heat Shock.  
                          (4) Deformation, Class 43.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Where Non-Hazardous potentials exist at  
temperature not exceeding 80°C.

Style 1177                      Nominal 1/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Electronic Use.

---

Rating                              90°C, 300 Volts.

---

Conductor                          No. 22 AWG. solid or stranded, tinned or untinned  
\*                                      copper.

---

Insulation                          Nominal 1/64-Inch wall Thermoplastic (PVC)  
compounds suitable for 90°C use.

---

Shielding                            Shielding over conductor insulation shall consist of  
No. 38-30 AWG. tinned copper strands applied as a  
wrap or braid.

---

Jacket                                Nominal 1/32-Inch wall Thermoplastic (PVC)  
compounds suitable for 90°C use.

---

\*Standard                            Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation and  
\*Representative                      Jacket, same as for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL                                      (4) Detailed Examination.  
Counter-Check                        (4) Tensile Strength and Elongation of Insulation  
\*Program                                and Jacket.  
\*    (4) Heat Shock.  
    (4) Deformation, Class 43.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      For Electronic Use at temperatures not exceeding 90°C.

Style 1178 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 4.5-mil  
nominal (4.1-mil minimum) diameter shall be wound  
spirally for a minimum of 35 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core.

---

Insulation Minimum average 20-mil (18-mil minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to Temperatures not exceeding 75°C.

Style 1179 Special Thermoplastic (Special PVC) - Insulated  
Resistance Wire For Heating Cable Units.

---

Rating 90°C, 250 Volts.

---

Conductor Nickel-silver, copper alloy, or copper. Size varies  
dependent upon wattage demand.

---

Insulation Nominal 28-mil wall Thermoplastic (Special PVC)  
25-mil minimum at any point.

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
\*to UL Tensile Strength, Class 43.  
\*Representative Flexing.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination, UL 62.  
\*Counter-Check (4) Tensile Strength.  
\*Program (4) Flexing after aging.  
\* (4) Heat Shock, except at 136°C.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
\* (4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use Thermoplastic Insulated Resistance Wire for Heating  
Cable Units where exposed to temperatures not exceeding  
90°C. The conductor alloy designation shall be included.  
Ohms per foot rating at 68°F (optional marking).



Style 1180 Extruded Tetrafluoroethylene Insulated Wire.

---

Rating 200°C, 300 Volts.

---

Conductor No. 32-10 AWG solid or stranded, tinned or bare  
copper if 15 mils diameter or larger, silver plated,  
or nickel coated copper, nickel or nickel chrome  
\* alloy resistance conductor.

---

Insulation 13 mils min. avg., 12 mils min. at any point,  
of extruded Tetrafluoroethylene.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative before aging.  
\* Flexing.  
\* Spark Test, 4000 volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock, except at 250°C.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment and appliances.  
In addition, the tag may also indicate the following:  
Suitable for immersion in gasoline; gasoline vapor;  
80°C in oil or 600 volts peak--For Electronic Use Only.

Style 1181 Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Gasoline Resistant Wires.

---

Rating 60°C, 600 Volts

---

\*Conductor No. 18-16 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).

---

Covering Extruded Zytel 33 or Spencer 600 nylon, 5-mil  
nominal, 4-mil minimum wall.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative before aging, same as for Type TW wire.  
\* Dielectric Strength, (monthly).  
\* Insulation Resistance, (monthly).  
\* Production Testing.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Type TW wire.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) Mechanical Water Absorption at 70°C.  
(4) Specific Inductive Capacity at 30°C.  
(4) Insulation Resistance, 12 weeks at 50°C.  
\* (4) Effects of Gasoline.  
(4) Horizontal Flame Test, same as for Type TW.

---

\*Marking General.

---

Use At temperatures not exceeding 60°C in air, or  
where exposed to mineral oil or gasoline vapors; or  
ordinary ambient temperatures where exposed to gaso-  
line. Surface Marking: All wire of this type shall  
have "Gasoline-Resistant" or "Gasoline and Oil  
Resistant" printed in ink on the surface of the  
insulation at intervals not greater than six inches.

Style 1182 Pre-Loomed Type TW Wire for Non-Heating Leads  
on Radiant Heating Units.

---

Rating 60°C, 120 Volts.

---

Conductor and Insulation Labelled No. 14 or 12 AWG solid Type TW wire.  
The insulation shall be yellow in color to indicate 120 volt rating.

---

Paper Wrap Formed of four pieces of moisture resistant crepe  
type Kraft paper, 1 by 0.005 inch, or 1-1/2 by 0.003 inch, applied in a manner as to provide  
5 thickness of paper over the labelled Type TW conductor with an approximate 3/16 in. overlap between  
pieces.

---

Outer Cotton, Covering Glass or combination Cotton-Glass braid  
saturated with a flame-retardant and moisture-resistant impregnant.

---

Over-All Finish (Optional) The outer covering may be finished with an  
aluminum paint or white paint.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Flame Test, same as Type NM, as received.  
Drip Test, same as Type NM.  
Flexibility Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
(4) Flame Test, same as Type NM, as received.  
(4) Drip Test, same as Type NM.  
\* (4) Flexibility Test.  
\* (4) Moisture Absorption.

---

\*Marking General.

---

Use Only as factory assembled Non-Heating Leads  
on Radiant Heating Cable Units.

Style 1183                    Pre-loomed Type TW Wire for Non-Heating Leads on  
Radiant Heating Units.

---

Rating                      60°C, 240 Volts.

---

Conductor                    Labelled No. 14 or 12 AWG solid Type TW wire.  
and                            The insulation shall be red in color to indicate  
Insulation                    240 volt rating.

---

Paper                        Formed of four pieces of moisture resistant crepe  
Wrap                         type Kraft paper, 1 by 0.005 inch, or 1-1/2 by  
                                  0.003 inch, applied in a manner as to provide  
                                  5 thickness of paper over the labelled Type TW  
                                  conductor with an approximate 3/16 in. overlap  
                                  between pieces.

---

Outer                         Cotton, glass or combination cotton-glass braid  
Covering                      saturated with a flame-retardant and moisture-resistant  
                                  impregnant.

---

Over-All                      The outer covering may be finished with an  
Finish                         aluminum paint or white paint.  
(Optional)

---

\*Standard                    Appliance Wiring Material UL 758.

---

Instructions                   Detailed Examination.  
to UL                         Flame Test, same as Type NM, as received.  
Representative               Drip Test, same as Type NM.  
\*                                Flexibility Test.

---

UL                             (4) Detailed Examination.  
Counter-Check               (4) Flame Test, same as Type NM, as received.  
Program                      (4) Drip Test, same as Type NM.  
\*                                (4) Flexibility Test.  
\*                                (4) Moisture Absorption.

---

\*Marking                     General.

---

Use                            Only as factory assembled Non-Heating Leads  
                                  on Radiant Heating Cable Units.

Style 1184 Thermoplastic (Polyethylene) - Insulated Shielded  
and Jacketed.

---

Rating 60°C, Volts: 600 (Insulation), 300 (Jacket, PVC only)

---

Conductor No. 26-16 AWG. solid or stranded, tinned or bare  
\* copper or copper-clad steel.

---

Insulation Polyethylene, min. ave. thickness 31.0 mils, min.  
thickness at any point 28.0 mils.

---

Shielding Metal serve, braid, or equivalent, conductive  
thermoplastic with drain wire, or aluminum-faced  
Mylar with drain wire. Uninsulated drain wire  
optional where not specified.

---

Jacket Over the shielding a Polyvinyl Chloride jacket  
min. ave. thickness 16.0 mils, min. at any point  
13.0 mils. shall be applied or a lacquered braid.  
\*

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as Class 43.  
Tensile Strength and Elongation of Jacket, same as  
\* Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Phonograph Pick-Up and Volume Control: or as  
internal wiring of appliances at temperatures.  
  
When used, "Conductive PVC Shield" required  
in contrasting color at intervals of two feet  
or less.



Style 1185 PVC Insulated, Shielded and Jacketed Wire.

---

Rating 80°C, 300 Volts.

---

Conductor Copper - 30-4/0 AWG, solid or stranded, tinned or bare.  
\*

---

Insulation Extruded PVC, Class 43

<u>AWG</u>	<u>Min. Avg., Mils</u>	<u>Min. at any point Mils</u>
30-16	15	13
15-10	30	27
9-8	45	40
7-2	60	54
1-4/0	80	72

---

\*Shield Optional.

---

Jacket Extruded PVC, Class 43

<u>AWG</u>	<u>Min. Avg., Mils</u>	<u>Min. at any point Mils</u>
30-16	15	12
15-2	30	24
1-4/0	45	36
30-16	or lacquered braid	

---

\*Shield Optional.

---

Jacket Optional, PVC Class 43, 15 mils min. avg., 12 mils. min. at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Physical Properties - Insulation and PVC Jacket.  
\*Representative Spark Test.

---

(Continued on 1185A)

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties - Insulation and PVC Jacket,  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances and Electronic Equipment.



Style 1186                      Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Shielded Wire with 1/64-Inch Jacket.

---

Rating                              80°C, Volts: 600 (Insulation), 300 (Jacket).

---

Conductor  
\*                                      No. 26-16 AWG. solid or stranded, tinned or bare  
copper.

---

Insulation                              Nominal 1/32-Inch wall of Thermoplastic (PVC)  
compounds suitable for 80°C.

---

Shielding                              Shielding over conductor insulation shall consist  
of No. 36-30 AWG. tinned or untinned copper strands  
applied as a wrap or braid.

---

Jacket  
\*                                      Over the shielding a nominal 1/64-Inch Thermoplastic  
(PVC) jacket of a compound suitable for 80°C shall  
be applied or a lacquered braid.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation and  
\*    Jacket, same as for Class 43.  
\*    Spark Test, 3000 Volts.

---

UL  
Counter-Check                              (4) Detailed Examination.  
\*Program                                      (4) Tensile Strength and Elongation of Insulation  
\*    and Jacket.  
\*    (4) Heat Shock.  
\*    (4) Deformation, Class 43.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                      General.

---

Use    In the Internal Wiring of Appliances at  
temperatures not exceeding 80°C.

Style 1187 Polyethylene-Insulated and PVC-Jacketed H V Cable.

---

Rating 60°C, 10 KV-DC.

---

Conductor No. 22-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 23 mil (minimum 19 mil) wall, polyethylene.

---

Jacket Nominal 18 mil (minimum 16 mil) Thermoplastic (PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1188                      Nominal 1/32 - Inch Thermoplastic (PVC)  
Insulated Moisture Resistant Wire.

---

Rating                              60°C, 600 Volts.

---

Conductors                      No. 18 or 16 AWG solid or stranded, tinned  
\*                                      or bare copper.

---

Insulation                        Nominal 1/32 - Inch wall of Thermoplastic (PVC)  
compounds suitable for use on Type TW Wire.

---

Covering                            None.

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions                      Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation,  
Representative                      before aging, same as for Type TW wire.  
\*                                      Spark Test.

---

UL                                    (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation,  
Program                                same as for Type TW Wire.  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
    (4) Mechanical Water Absorption at 70°C.  
    (4) Specific Inductive Capacity at 30°C.  
    (4) Flame Test same as for Type TW.

---

\*Marking                            General.

---

Use                                    "Appliance use, moisture resistant, 60°C."

Style 1189 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 7.1 mils  
nominal (6.6 mils minimum) diameter shall be wound  
spirally for a minimum of 35 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton, or  
Rayon yarn core.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohms - 1000 feet using Column IV, Table 13 for  
temperature Correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as for  
Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed to  
temperatures not exceeding 75°C.

Style 1190                      Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliances Hook-Up Use.

---

Rating                              90°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

Conductor                          26-16 AWG.  
14-9 AWG.  
\*                                      Solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 1/32-Inch wall Thermoplastic (PVC) Type TW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin compounds if  
marked for use at 90°C in air and 80°C in oil.

---

Covering                              None.

---

\*Standard                            Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation, same  
\*Representative                      as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*    (12) Insulation Resistance at 60°C.

---

UL    (4) Detailed Examination.  
Counter-Check                          (4) Tensile Strength and Elongation of Insulation.  
Program                                      \*  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
    (4) Flame Test. Same as for TW.  
    (4) Mechanical Water Absorption at 70°C.  
    (4) Specific Inductive Capacity at 30°C.

---

\*Marking                                General.

---

Use    Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable); Moisture Resistant, 60°C.

Style 1191            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                80°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts

---

Conductor            26-16 AWG  
14-9 AWG  
Solid or Stranded, tinned or bare copper.

---

Insulation            Nominal 1/32-Inch wall Thermplastic (PVC) Type TW  
Bulletin Compounds also suitable for use at 80°C  
in air or 60°C in oil, or AWM Bulletin compounds  
if marked for use at 80°C in air and 80°C in oil.

---

Covering             None

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative     same as for Class 43.  
Dielectric Strength and Insulation Resistance  
Tests same as TW.

\*                    (12) Insulation resistance at 60°C.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*

\*                    (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend  
                      (4) Flame Test, same as for TW.  
                      (4) Mechanical Water Absorption at 70°C.  
                      (4) Specific Inductive Capacity at 30°C.

---

\*Marking             General.

---

Use                    Internal Wiring of Appliances where exposed  
to temperatures not exceeding 80°C or where exposed  
to oil at a temperature not exceeding (60°C or  
80°C, whichever is applicable); Moisture Resistant, 60°C.

Style 1192 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 1/32 inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1193 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester, Rayon, or Fiberglas yarn core.

---

Insulation 30 mils minimum average, 27 mils minimum at any point wall of Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.



Style 1194 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating 90°C, 250 Volts.

---

Conductor Nickel alloy or nickel-chrome alloy, size varies dependent upon wattage demand.

---

Insulation Nominal 1/32-Inch wall Thermoplastic (PVC).

---

Covering Extruded Zytel 33 nylon in 3-Mil Minimum thickness.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
 to UL Tensile Strength and Elongation of Insulation,  
 \*Representative Class 43.  
 \* Dielectric Strength Test.  
 \* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination, UL 62.  
 Counter-Check (4) Tensile Strength and Elongation of Insulation.  
 Program \*

(4) Heat Shock, deformation, and cold bend (at minus 10°C) same as for Class 43, UL 62.

\* (4) Horizontal Flame Test.  
 \* (4) Insulation Resistance.  
 (4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not Exceeding 90°C." The conductor alloy designation shall be included. Ohms per foot rating (optional marking).

\*Style 1195            Semi-Rigid PVC - Insulated Wire.

---

Rating                80°C, 300 V.

---

Conductor            No. 30-14 AWG, solid or stranded, tinned or bare copper.

---

Insulation            SR-PVC, nominal 15-mil wall 13-mil minimum at any point.

---

Standard             Appliance Wiring Material, UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Tensile Strength and Elongation of Insulation.  
Representative       Flexing.  
                         Spark Test.

---

UL                     (4) Detailed Examination.  
\*Counter-Check       (4) Tensile Strength and Elongation of Insulation.  
Program               (4) Heat Shock.  
                         (4) Deformation.  
                         (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.  
\*

---

Marking               General.

---

Use                    Internal Wiring in Electric Bookkeeping, Accounting, or Time-Recording Machines.

Style 1196            Nominal 1/32 inch Thermoplastic (PVC) -  
Insulated Wire for Internal Wiring of  
Electric Refrigerating Equipment.

---

Rating                105°C, 300 Volts.

---

Conductor            No. 20-16 AWG No. 20 AWG shall be solid or stranded.  
No. 18-16 AWG shall be stranded. All stranded  
conductors shall consist of No. 30 AWG or smaller  
strands. All conductors shall be tinned or bare  
copper.

---

Insulation            Nominal 1/32 inch wall Thermoplastic (PVC).  
Compounds suitable for use at 105°C in air  
or 60°C in oil, or Bulletin compounds if marked  
for use at 105°C in air and 80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative    same as for Class 43.  
\*                    Spark Test.  
Insulation Resistance shall be not less  
than 1 megohm - 1000 feet.

---

UL                    (4) Detailed Examination.  
Counter-Check      (4) Tensile Strength and Elongation of  
\*Program            Insulation.  
\*                    (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend.  
\*                    (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                   Internal Wiring of Lighting Circuits in Refrigerating  
Equipment where exposed to temperatures not exceeding  
105°C; or Internal Wiring of Lighting Circuits in  
Refrigerating Equipment where exposed to  
temperatures not exceeding 105°C or where  
exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable).

Style 1197            Nominal 3/64 inch Thermoplastic (PVC) - Insulated Wire for Internal Wiring of Electric Refrigerators or Gas or Oil-Fired Domestic Heating Equipment.

---

Rating	105°C, 300 Volts.
Conductor	No. 20-16 AWG No. 20 AWG shall be solid or stranded. No. 18-16 AWG shall be stranded. All stranded conductors shall consist of No. 30 AWG or smaller. All conductors shall be tinned or bare copper.
* Insulation	Nominal 3/64 inch wall Thermoplastic (PVC). Compounds suitable for use at 105°C in air or 60°C in oil, or Bulletin compounds if marked for use at 105°C in air and 80°C in oil.
Covering	None.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative *	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Spark Test. Insulation Resistance shall be not less than 1 megohm - 1000 feet.
UL *Counter-Check *Program * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock, Class 43. (4) Deformation, Class 43. (4) Cold Bend, Class 43, but minus 10°C. (4) Horizontal Flame Test.
*Marking	General.
Use	(a) Internal Wiring of Electric Re-frigerators where exposed to temperatures not exceeding 105°C; (b) or Internal Wiring of Gas or Oil-Fired Domestic Heating Equip-ment where exposed to temperatures not exceeding 105°C; (c) or Internal Wiring of Lighting Circuits in Refrigerating Equip-ment where exposed to temperatures not exceeding 105°C. The following may be added to (a) or (b) or (c); or where exposed to oil at a temperature not exceeding (60°C or 80 whichever is applicable).

Style 1198 Extruded Tetrafluoroethylene Insulated Wire.

---

Rating 150°C, 600 Volts.

---

\*Conductor Nos. 30 - 4/0 AWG solid or stranded.

---

Insulation Extruded Tetrafluoroethylene

Conductor Size AWG	Insulation Thickness in Mils	
	Minimum Average	Minimum at any Point
30 - 10	20	18
8 - 2	30	27
1 - 4/0	45	40

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Physical Properties of insulation unaged.  
\*Representative Flexing.  
\* Spark Test.  
30 - 24 AWG 4000 volts 8 -2 AWG 10,000 volts  
22 - 20 AWG 5000 volts 1 -4/0 AWG 12,500 volts  
18 - 16 AWG 6000 volts  
14 - 10 AWG 7500 volts

---

UL (4) Detailed Examination  
\*Counter-Check (4) Physical Properties of Insulation.  
\*Program (4) Physical Properties of Insulation.  
\* (4) Heat Shock, except at 250°C.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of appliances and electronic equipment  
Tags may indicate the following:  
2500 Volts Peak - For Electronic Use Only  
In addition, the tag may also indicate one or more of the  
following:  
Suitable for immersion in gasoline; gasoline vapor; and  
80°C in oil.

Style 1199                      Extruded PTFE (TFE).

---

Rating                              200°C, 600 Volts.

---

Conductor                        Nos. 30-4/0 AWG solid or stranded.

---

Insulation	Extruded PTFE (TFE)	Insulation Thickness in Mils	
		Minimum Average	Minimum AT Any Point
	Conductor Size		
	AWG		
	30 - 10	20	18
	8 - 2	30	27
	1 - 4/0	45	40

---

Standard                        Appliance Wiring Material UL 758.

---

Instructions to UL Representative                      Detailed Examination.  
Tensile Strength and Elongation of Insulation unaged.  
Flexing.  
Spark Test.

---

UL Counter-Check Program                      (4) Detailed Examination  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Cold Bend.

---

Marking                              General.

---

Use                                      Internal wiring of appliances and electronic equipment.  
Tags may indicate the following:  
2500 Volts Peak - For Electronic Use Only.  
Suitable for immersion in  
gasoline; gasoline vapor; and 80°C in oil.

Style 1200 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating  
Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 4/64-Inch wall Thermoplastic (PVC) compound  
suitable for use at 80°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Heating at temperatures  
not exceeding 80°C and in dry location where not  
subjected to repeated flexing in use.

Style 1201 Thermoplastic (PVC) - Insulated Heating Wire  
For Use in Internal Wiring of Refrigerating  
Equipment.

---

Rating 80°C , 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 4/64 Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Covering Extruded Zytel 33 nylon in 2 - Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Heating at temperatures  
not exceeding 80°C and in dry location where not  
subjected to repeated flexing in use.



Style 1202 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 90°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon, Cotton,  
Fortisan, Fiberglas, Dacron, or Cordura, yarn core.

---

Insulation Nominal 4/64 -Inch wall of Thermoplastic (PVC)  
compound suitable for use at 90°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test, 6000 Volts.

---

UL Counter-Check Program \* Detailed Examination  
(4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking \* General.  
\* Manufacturer's marker requiredd.  
Items 2a, 2i, 3k , 4n.  
\* Temperature marker required.  
Items 7a, 7i, 8k, 9k, 10n.

---

Use For Refrigerator Heating at temperatures  
not exceeding 90°C and in dry location where not  
subjected to repeated flexing in use.

Style 1203            Thermoplastic (PVC) - Insulated Heating Wire  
For Use in Internal Wiring of Refrigerating  
Equipment.

---

Rating                90°C, 300 Volts.

---

Conductor            Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation            Nominal 4/64 -Inch wall of Thermoplastic (PVC)  
compound suitable for use at 90°C.

---

Covering             Extruded Zytel 33 nylon with 2 - Mil minimum  
thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
Representative      Class 43.  
\*                    Spark Test, 6000 Volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                    (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend.  
\*                    (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    For Refrigerator Heating at temperatures not  
exceeding 90°C and in dry location where not  
subjected to repeated flexing in use.

Style 1204 Thermoplastic (PVC) - Insulated Heating Wire  
For Use in Internal Wiring of Refrigerating  
Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 4/64 Inch wall of Thermoplastic (PVC)  
Compound suitable for use at 105°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examinations  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Heating at temperatures  
not exceeding 105°C and in dry location where  
not subjected to repeated flexing in use.

Style 1205            Thermoplastic (PVC) - Insulated Heating Wire  
For Use in Internal Wiring of Refrigerating  
Equipment.

---

Rating                105°C, 300 Volts.

---

Conductor            Minimum 1.75 mils diameter resistance wire wound  
for a minimum of 25 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron or Cordura  
yarn core.

---

Insulation            Nominal 4/64 - Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering             Extruded Zytel 33 nylon with 2 - Mil minimum  
thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
Representative      Class 43.  
\*                     Spark Test, 6000 Volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile strength and Elongation of Insulation.  
Program                \*  
\*                     (4) Heat Shock.  
\*                     (4) Deformation.  
\*                     (4) Cold Bend.  
\*                     (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    For Refrigerator Heating at temperatures  
not exceeding 105°C and in dry location where  
not subjected to repeated flexing in use.

Style 1206 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

\*Rating 90°C, 600 Volts; Moisture Resistant, 60°C, 250 Volts.

---

Conductor Nickel, copper alloy, or copper. Size varies dependent upon wattage demand.

---

Insulation Nominal 1/32-in. wall Thermoplastic (PVC). Type TW Bulletin Compound, also suitable for use at 90°C in air.

---

Covering Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation.  
\*Representative Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 7500 Volts.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.  
(4) Mechanical Water Absorption at 70°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C; moisture resistant 60°C."  
The conductor alloy designation shall be included.  
Ohms per foot rating (optional marking).

Style 1207            Nominal 1/32 Inch Thermoplastic (PVC) - Insulated Wire For  
Appliances Hook Up Use.

---

Rating                90°C, 600 Volts.

---

\*Conductor            28 AWG Solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/32 Inch wall Thermoplastic (PVC) Compounds  
suitable for use at 90°C in air.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
Spark Test.

---

UL                      (4) Detailed Examination  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*

\*                        (4) Heat Shock.  
\*                        (4) Deformation.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Internal Wiring of Electric Shavers where exposed to  
temperatures not exceeding 90°C.



Style 1209 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating 90°C , 250 Volts.

---

Conductor Minimum 0.0025 in. diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan or Fiberglas yarn core.

---

Insulation Nominal 1/32 in. wall thermoplastic (PVC).

---

Covering Extruded Zytel 33 nylon in 3 - mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination, UL 62.  
\*Representative Tensile Strength and Elongation of Insulation Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 V.

---

UL Counter-Check Program (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation,  
\*  
(4) Heat Shock, Deformation and Cold Bend (at minus 10°C) same as for Class 43, UL 62.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation resistance.  
(4) Specific inductive capacity at 30°C, UL 83.

---

\*Marking General.

---

Use Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures no exceeding 90°C. The conductor alloy designation shall be included. Ohms per foot rating(optional marking).



Style 1210                      Shielded, PVC Jacketed 9 - mil Thermoplastic  
                                    (Special PVC) Insulated Wire for Business  
                                    Machine Use.

---

Rating	80°C , 300 volts.
Conductor *	No. 26-16 AWG. Solid or stranded, tinned or bare copper.
Insulation	Nominal 9 - mil wall thermoplastic (Special PVC) 8 - mil minimum at any point.
Covering *	Extruded Zytel 33 nylon in 2 - mil minimum thickness or Lacquered Braid.
Shielding	Shielding over nylon covering shall consist of No. 36-30 AWG. tinned copper strands applied as a wrap or braid.
Jacket	Over the shielding a nominal 20-mil, minimum 18-mil at any point, thermoplastic (PVC) jacket shall be applied suitable for use at 80°C.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative * * *	Detailed Examination. Tensile Strength and Elongation of Insulation, before aging. Flexing. Tensile Strength and Elongation of Jacket, same as for Class 43. Spark Test, 3000 volts.
UL *Counter-Check *Program * * * *	(4) Detailed Examination (4) Jacket, Class 43, except for aging. (4) Heat Shock. (4) Deformation, (on insulated conductor only) (4) Cold Bend. (4) Horizontal Flame Test. (4) Dielectric Strength Test.
*Marking	General.
Use	Internal Wiring of Electric Bookkeeping Accounting, or Business Machines where exposed to temperatures not exceeding 80°C.

Style 1211 Thermoplastic (PVC) - Insulated Wire  
(Fine Stranding).

---

Rating 60°C, 300 Volts.

---

Conductor No 24, 26, or 28 AWG stranded, tinned or bare,  
consisting of NO. 44 AWG copper strands only.

---

\*

Insulation 15 mil minimum average, 13 mil minimum at  
any point of Thermoplastic (PVC) class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of  
Program Insulation, same as for Class 43.  
(4) Heat Shock, Class 43.  
(4) Cold Bend, Class 43.  
\* (4) Horizontal Flame Test.  
(4) Deformation, Class 43.

---

\*Marking General.

---

Use On Micro Switch devices.

Style 1212            Extruded Tetrafluoroethylene Insulated Wire.

---

Rating                80°C Dry, 60°C Oil, Voltage not specified.

---

Conductor            No. 36-16 AWG solid or stranded.

---

Insulation            Extruded Polytetrafluorethylene; 8 mil min. average,  
7 mil min. at any point.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed examination.  
to UL                   Physical Properties Unaged  
Representative       Spark Test

---

UL                    (4) Detailed examination.  
Counter-Check       (4) Physical Properties, per Table 50.219 of UL 1581  
Program               (4) Cold Bend.  
                          (4) Heat Shock

---

Marking              General.

---

Use                    Internal wiring of office appliances where not subjected  
to mechanical abuse.

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Subject 758            Section 1

\*Page 1213

APPLIANCE WIRING MATERIAL  
Issued: Feb. 10, 1969  
Revised: June 20, 2001

Style 1213            Extruded Tetrafluoroethylene Insulated Wire.

---

Rating                105°C, voltage not specified.

---

Conductor            No. 36-16 AWG solid or stranded.

---

Insulation            8 mil min. average wall of extruded (PTFE)  
Poly-Tetrafluoroethylene, 7 mil min. at any point.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Physical Properties, Unaged.  
Representative      Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Physical Properties, unaged.  
Program                (4) Heat Shock.  
                          (4) Cold Bend.

---

Marking              General.

---

Use                    In office appliances where exposed to oil at a  
                          temperature not exceeding 60°C, and where not  
                          subjected to undue mechanical abuse.

Style 1214 Polyethylene Insulated, PVC Jacketed HV Cable.

---

Rating 60°C, 40 kV dc.

---

Conductor Nos. 22-18 AWG solid or stranded tinned or bare Copper.

---

Insulation Nominal 3/64 in wall of flame retardant or regular polyethylene, average thickness 47 mils; 40 mils min at any point.

---

Jacket Class 43 thermoplastic, average thickness 20 mils, min thickness at any point 17 mils.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use For Use Within Electronic Equipment.

Style 1215 Polyethylene Insulated, PVC Jacketed HV Cable.

---

Rating 60°C, 40 KV-DC.

---

Conductor No. 22-18 AWG solid or stranded tinned or bare copper.

---

Insulation Nominal 0.040-Inch wall of flame-retardant  
Polyethylene, minimum thickness at any point  
33 Mils.

---

Jacket Class 43 thermoplastic, average thickness 20 Mils,  
minimum thickness at any point 17 Mils.

---

\*Standards Appliance Wiring Material UL 758.

---

Instruction Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use For Use Within Electronic Equipment.

Style 1216 Polyvinyl Chloride - Insulated Resistance Wire.

---

Rating 90°C, 250 Volts.

---

Conductor Nickel-silver, nickel alloy, nickel chrome, copper alloy, or copper. Size varies dependent upon wattage demand.

---

Insulation 31 mils min. avg., 28 mils minimum at any point, wall of Polyvinyl Chloride (See Facing Page for Compound Designation.)

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
\*to UL Tensile Strength.  
\*Representative Flexing.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination, UL 62.  
\*Counter-Check (4) Tensile Strength.  
\*Program (4) Flexing after aging.  
\* (4) Heat Shock, except at 136°C.  
\* (4) Cold Bend.  
\* (4) Deformation. Ratio of T2/T1 of min. 0.70 permitted.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance  
\* (4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C." The conductor alloy designation shall be included. Ohms per foot rating at 68°F (optional marking).

Style 1217 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Pads.

---

Rating 105°C, 125 Volts.

---

Conductor A copper alloy, flattened to approximately 4 by 16 mils shall be wound spirally for a maximum of 45 turns per inch of a Dacron, Orlon or Fiberglas yarn core.

---

Insulation Minimum average 18 mils (17 mils minimum at any point) Thermoplastic (PVC). Three fluted longitudinal ribs, spaced 120 degrees around periphery.

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL Representative  
\* Detailed Examination, UL 62.  
\* Tensile Strength and Elongation of Insulation, Class 43.  
\* Spark Test, 6000 Volts.  
\* Dielectric Strength, 1500 Volts.  
Insulation Resistance shall not be less than 1 megohm per 1000 feet at room temperature using Column IV, Table 13, UL 83.

---

UL Counter-Check Program  
\* (4) Detailed Examination, UL 62.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock at 136°C.  
\* (4) Cold Bend at minus 20°C.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In General Electric Company electrically heated pads, and where the acceptability of the combination has been determined by Underwriters Laboratories, Inc.





Style 1219 Polyvinyl Chloride - Insulated Resistance Wire.

---

Rating 90°C, 250 Volts.

---

Conductor Nickel-silver, nickel alloy, nickel chrome, copper alloy, or or copper. Size varies dependent upon wattage demand.

---

Insulation 31 mils min. avg., 28 mils minimum at any point, wall of Polyvinyl Chloride (See Facing Page for Compound Designation)

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
\*to UL Tensile Strength and Elongation, Class 43.

Representative \*  
\* Flexing, except using 1/4 in. diam mandrel,  
\*

\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts, Section.

---

UL (4) Detailed Examination, UL 62.  
\*Counter-Check (4) Tensile Strength and Elongation, Class 43.  
Program \*  
\* (4) Flexing after aging 7 days at 121°C, using 1/4 in. diam mandrel.  
\* (4) Heat Shock, except using 1/8 in. diam mandrel.  
\* (4) Cold Bend.  
\* (4) Deformation at 121°C.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
\* (4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire For Heating Cable Units where exposed to temperatures not exceeding 90°C." The conductor alloy designation shall be included." Ohms per foot rating at 68°F (optional marking).

Style 1220                      Nominal 8/64-In. Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Room Cooler Units.

---

Rating                              105°C, 600 V.

---

Conductor  
\*                                      No. 8-6 AWG, consisting of No. 30 AWG or smaller  
stranded copper, tinned or bare.

---

Insulation                              Nominal 8/64-In. wall thermoplastic (PVC).  
Compounds suitable for use at 105°C in air and  
60°C in oil, or bulletin compounds if marked for  
use at 105°C in air and 80°C in oil.

---

Covering                              None.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
\*Representative                              Tensile Strength and Elongation of Insulation,  
same as for Class 43.

---

UL    (4) Detailed Examination.  
\*Counter-Check                              (4) Tensile Strength and Elongation of Insulation.  
Program                                      (4) Heat shock, same as for Type T wire, except  
at 136°C.  
    (4) Deformation, same as for Type T wire.  
    (4) Cold bend, same as for Type T wire.

---

\*Marking                                      General.

---

Use    Internal Wiring of Electric Refrigeration or  
Air Conditioning Equipment where exposed to temper-  
atures not exceeding 105°C; or Internal Wiring of  
Electric Refrigerating or Air Conditioning Equipment  
where exposed to temperatures not exceeding  
105°C, or where exposed to oil at a temperature  
not exceeding (60 or 80°C, whichever is applicable).

Style 1221 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 7.1 Mils  
nominal (6.6 Mils minimum) diameter shall be wound  
spirally for a minimum of 35 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core. The diameter over the conductor and core  
shall be approximately 32 Mils.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
10 megohms - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1222 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy or hard drawn copper conductor 6.3 Mils  
nominal (5.9 Mils minimum) diameter shall be wound  
spirally for a minimum of 30 turns per inch on a  
Fortisan, Dacron, Cordura, Fiberglas, Cotton or Rayon  
yarn core. The diameter over the conductor and core  
shall be approximately 32 Mils.

---

Insulation Minimum average 20 Mils (18 Mils minimum at any point)  
Thermoplastic (PVC).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
10 megohms - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1223            Nominal 1/32 In. Thermoplastic (PVC)  
                      Insulated Wire for Non-Heating  
                      Leads on Radiant Heating Units.

---

Rating                60°C, 230 Volts.

---

Conductors            No. 14-12 AWG solid or stranded, tinned  
\*                      or bare copper.

---

Insulation            Nominal 1/32 in. wall of Thermoplastic (PVC)  
                      compounds suitable for use on Type TW wire. The  
                      insulation shall be red in color to indicate 230 volts  
                      rating.

---

Covering             Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
Representative       before aging, same as for Type TW wire.  
\*                      Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation,  
Program                same as for Type TW wire.  
                      (4) Heat Shock, same as for Type TW wire.  
                      (4) Deformation, same as for Type TW wire.  
                      (4) Cold Bend, same as for Type TW wire.  
                      (4) Mechanical Water Absorption at 70°C.  
                      (4) Specific Inductive Capacity at 30°C.  
                      (4) Flame Test same as for Type TW.

---

\*Marking             General.

---

Use                    Only as factory assembled Non-Heating  
                      Leads on Radiant Heating Cable units for  
                      use in concrete driveway, walk, etc.

Style 1224 Polyethylene Insulated, PVC Jacketed HV Cable.

---

Rating 60°C, 40 KV-DC.

---

Conductor No. 22-18 AWG solid or stranded tinned or bare copper.

---

Insulation Polyethylene, average thickness 45 Mils; 40 Mils minimum at any point.

---

Jacket Class 43 (eleven) thermoplastic, average thickness 30 Mils, minimum thickness at any point, 25 Mils.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
 \*to UL Tests.  
 Representative

---

UL (4) Detailed Examination.  
 \*Counter-Check (4) Tests.  
 Program

---

\*Marking General.

---

Use For Use Within Electronic Equipment.

Style 1225 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 20 KV-DC.

---

Conductor No. 22-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 25 mils (minimum 20 mils) wall, polyethylene.

---

Jacket Nominal 20 mils (minimum 17 mils) Thermoplastic (PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal Wiring of electronic equipment.



Style 1226 Extruded Fluorinated Ethylene Propylene  
Insulated Wire.

---

Rating 80°C, voltage not specified.

---

Conductor Solid or stranded, bare, tinned, silver plated or  
nickel coated copper, nickel conductor, silver  
plated zirconium copper alloy, silver plated  
cadmium chrome copper alloy or silver plated  
cadmium bronze copper alloy.

<u>AWG Size</u>	<u>Min. Avg. Wall</u>	<u>Min. at any Point</u>
32-20	8 mils	7 mils
19-14	13 mils	12 mils

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative before aging.  
\* Flexing.  
\* Spark Test.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock, except at 260°C.  
\* (4) Cold Bend.

---

\*Marking General.

---

Use In office appliances where exposed to oil at a  
temperature not exceeding 60°C, and where not subjected  
to undue mechanical abuse.

SC

Style 1227 Extruded Fluorinated Ethylene Propylene  
Insulated Wire.

---

Rating 105°C, V not specified.

---

\*Conductor and Insulation Solid or stranded.

AWG Size	Min Avg Wall	Min at Any Point
32-20	8 mils	7 mils
19-10	13 mils	12 mils

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation before aging.  
Flexing.  
Spark Test,  
32-20 AWG - 2000 V; 19-18 AWG - 3000 V; 16 AWG - 4000 V;  
15-10 AWG - 5000 V.

---

UL Counter-Check \*Program \*  
\* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock, except at 260°C.  
(4) Cold Bend

---

\*Marking General.

---

Use In office appliances where exposed to temperatures exceeding 105°C, where exposed to oil at a temperature exceeding 60°C, and where not subjected to undue Mechanical abuse.



Style 1229                      Nominal 1/16-Inch Thermoplastic (PVC) - Insulated  
Wire For Appliances Hook-Up Use.

---

Rating                              90°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

Conductor                          8-2 AWG solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 1/16-Inch wall Thermoplastic (PVC) Type TW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin compounds if  
marked for use at 90°C in air and 80°C in oil.

---

Covering                            None.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative                      Detailed Examination.  
Tensile Strength and Elongation of Insulation, same  
as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*    (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
\*    (4) Detailed Examination.  
\*    (4) Tensile Strength and Elongation of Insulation.  
\*    \*

\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
    (4) Flame Test. Same as for TW.  
    (4) Mechanical Water Absorption at 70°C.  
    (4) Specific Inductive Capacity at 30°C.

---

\*Marking                              General.

---

Use                                      Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever if applicable); Moisture Resistant, 60°C.

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APPLIANCE WIRING MATERIAL  
Issued: Dec. 2, 1960  
Revised: Oct. 30, 2000

Style 1230            Nominal 1/32-inch Thermoplastic (PVC) - Insulated Wire.

---

Rating                105°C, Moisture Resistant, 60°C, 600 Volts.

---

Conductor            26 - 9 AWG. Solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/32-inch wall Thermoplastic (PVC) Type  
TW. Also suitable for 105°C in air and 60°C or  
80°C in oil, if applicable.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative     Detailed Examination.  
Physical Properties, unaged.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Physical Properties, unaged.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Specific Inductive Capacity at 30°C.

---

Marking              General.

---

Use                    Internal Wiring of Appliances, or where  
exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable). Moisture  
Resistance, 60°C.

Style 1231            Insulated Wire.

---

Rating                105°C, 600 Volts; Moisture Resistance, 60°C.

---

Conductor            18-8 AWG solid or stranded, copper.

---

Insulation            45 mils min avg., 40 mils min at any point, thermoplastic (PVC) Type TW. Recognized Component QMTT2 also suitable for use at 105°C in air or 60°C or 80°C in oil whichever is applicable.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Tensile Strength and Elongation of Insulation, Class 43.  
Dielectric Strength and Insulation Resistance Tests same as Type TW.

\*                      (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program            (4) Detailed Examination.  
    (4) Tensile Strength and Elongation of Insulation.  
    (4) Heat Shock.  
    (4) Deformation.  
    (4) Cold Bend.  
    (4) FT-1 Flame Test.  
    (4) Specific Inductive Capacity at 30°C.

---

Marking                General.

---

Use                     Internal Wiring of Appliances or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable); Moisture Resistant, 60°C.

Style 1232 Thermoplastic (PVC) - Insulated Wire.

---

Rating 105°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

\*Conductor No. 8-4/0 AWG solid or stranded, tinned or bare copper.

---

Insulation Thermoplastic (PVC) Type TW Bulletin Compounds also suitable for use at 105°C in air; or 60°C or 80°C in oil (whichever is applicable), or see Facing Page.

<u>AWG Size</u>	<u>Min. Avg. Thickness - Mils</u>	<u>Min. at Any Point Thick. Mils</u>
8 - 2	60	54
1 - 4/0	78	70

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\*  
\*  
Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests same as TW.  
(12) Insulation Resistance at 60°C.

---

UL  
\*Counter-Check  
\*Program  
\*  
\*  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test. Same as for TW.  
(4) Mechanical Water Absorption at 70°C.  
(4) Specific Inductive Capacity at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable); Moisture Resistant, 60°C.

Style 1233            Nominal 1/16-Inch Thermoplastic (PVC) - Insulation  
Wire For Appliance Hook-Up Use.

---

Rating                80°C, 600 Volts.

---

\*Conductor            No. 18-8 AWG. Tinned or bare copper.

---

Insulation            Nominal 1/16-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 80°C in air and  
60°C in oil or Bulletin compounds if marked for  
use at 80°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                         Spark Test.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
\*Program               (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking               General.

---

Use                     Internal Wiring of Appliances where exposed  
to temperatures not exceeding 80°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, which-  
ever is applicable).



Style 1234 Nominal 1/16-Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook-Up Use.

---

Rating 80°C, 600 Volts.

---

\*Conductor No. 8 AWG. Tinned or bare copper.

---

Insulation Nominal 1/16-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 80°C in air and 60°C  
in oil or Bulletin compounds if marked for use  
at 80°C in air and 80°C in oil.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness  
\* or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock, same as for Type T wire.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed  
to temperatures not exceeding 80°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable).

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Subject 758            Section 1

\*Page 1235

APPLIANCE WIRING MATERIAL  
Issued: May 1, 1959  
Revised: March 2, 2001

Style 1235            Insulated Wire.

---

Rating                105°C, 600 volts.

---

Conductor            No. 18-8 AWG. Solid or stranded.

---

Insulation            PVC - 60 mils min Avg; 54 mils at any point. Class 43.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative    Detailed Examination.  
Physical Properties.  
Spark Test.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Physical Properties.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                    Internal wiring of Appliances, or where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable.)



Style 1237            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook-Up Use.

---

Rating                80°C, 600 Volts.

---

\*Conductor            Nos. 26-19 AWG. Tinned or bare copper.

---

Insulation            Nominal 3/64-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 80°C in air and  
60°C in oil or Bulletin compounds if marked for  
use at 80°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
\*                          Spark Test.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
                          (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                     Internal Wiring of Appliances where exposed  
to temperatures not exceeding 80°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable).

Style 1238                      Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook-Up Use.

---

Rating                              80°C, 600 Volts.

---

\*Conductor                      Nos. 26-19 AWG. Tinned or bare copper.

---

Insulation                        Nominal 3/64-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 80°C in air and 60°C  
in oil or Bulletin compounds if marked for use  
at 80°C in air and 80°C in oil.

---

Covering  
\*                                      Extruded Zytel 33 nylon in 2-mil minimum thickness  
or lacquered braid.

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions  
to UL                                Detailed Examination.  
\*Representative                    Tensile Strength and Elongation of Insulation,  
\*                                      Same as for Class 43.  
\*                                      Spark Test.

---

UL  
Counter-Check                      (4) Detailed Examination.  
Program                              (4) Tensile Strength and Elongation of Insulation.  
\*                                      \*  
\*                                      (4) Heat Shock, same as for Type T wire.  
\*                                      (4) Deformation, same as for Type T wire.  
\*                                      (4) Cold Bend, same as for Type T wire.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                            General.

---

Use                                    Internal Wiring of Appliances where exposed  
to temperatures not exceeding 80°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable).



Style 1240            Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook-Up Use.

---

Rating                105°C, 600 Volts.

---

\*Conductor            Nos. 26-19 AWG. Tinned or bare copper.

---

Insulation            Nominal 3/64-Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 105°C in air or  
60°C in oil, or Bulletin compounds if marked for  
use at 105°C in air and 80°C in oil.

---

Covering  
\*                      Extruded Zytel 33 nylon in 2-mil minimum thickness  
or lacquered braid.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions  
to UL  
\*Representative  
\*                      Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Spark Test.

---

UL  
Counter-Check  
Program  
\*                      (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
(4) Heat Shock, same as for Type T wire but at 136°C.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.  
(4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                    Internal Wiring of Appliances where exposed  
to temperatures not exceeding 105°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 105°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable).

Style 1241 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester Rayon, or Fiberglas yarn core.

---

Insulation 60 mils minimum average, 54 mils minimum at any point wall of Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination. Tensile Strength and Elongation of Insulation, Class 43. Spark Test.

---

UL Counter-Check Program \* \* \* \* (4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.



Style 1242 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1243 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C.

Style 1244 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
Compound suitable for use at 80°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 80°C.2

Style 1245 Thermoplastic (PVC) - Insulated Heating Wire  
For Use in Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing wire  
not less than No. 26 AWG.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.

Style 1246 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing wire  
not less than No. 26 AWG.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend,  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.

Style 1247 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 10 turns per inch on a Fortisan,  
Polyester yarn, or Fiberglas yarn core. A glass braid  
spacer shall be employed between the conductor and  
insulation.

---

Insulation Nominal 1/16-inch wall of thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* SPark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C and  
where not subjected to flexing or motion.

Style 1248 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 10 turns per inch on a Fortisan, Poly-  
ester yarn, or Fiberglas yarn core. A glass braid  
spacer shall be employed between the conductor and  
insulation.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1249 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum of 20 turns per inch on a  
Rayon, Cotton, Fortisan, Fiberglas, Dacron or  
Cordura yarn core.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigerating Equipment to  
prevent condensation of moisture on the outside of  
the freezer cabinet and where exposed to temperatures  
not exceeding 80°C.



Style 1250 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 20 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 1/16-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigeration Equipment  
to prevent condensation of moisture on the outside  
of the freezer cabinet and where exposed to  
temperatures not exceeding 80°C.

Style 1251 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring or Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 1/16-Inch Wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Tensile Strength and Elongation of Insulation.  
\* Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1252 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester, Rayon, or Fiberglas yarn core.

---

Insulation 60 mils minimum average, 54 mils minimum average wall of Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination. Tensile Strength and Elongation of Insulation, Class 43. Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. \* (4) Heat Shock. \* (4) Deformation. \* (4) Cold Bend. \* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.

Style 1253 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester, Rayon, or Fiberglas yarn core.

---

Insulation 45 mils minimum average, 41 mils minimum at any point wall of Thermoplastic (PVC)

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.

Style 1254 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0025 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Tensile Strength and Elongation of Insulation,  
Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1255 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL Counter-Check Program  
\* (4) Detailed Examination  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 80°C.

Style 1256 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing  
wire not less than No. 26 AWG.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 80°C.

Style 1257 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded; employing wire  
not less than No. 26 AWG.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL Counter-Check Program  
\* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.



Style 1258 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Resistance wire, solid or stranded, employing wire  
not less than No. 26 AWG.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket Extruded Zytel 33 nylon in 2-mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
Breaking Strength of Finished Wire. (minimum 20 pounds)  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C.

Style 1259 Thermoplastic (PVC) - Insulated Heating Wire For Use In  
Internal Wiring of Refrigerating Equipment.

---

Rating 105°, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound for a  
minimum of 10 turns per inch on a Fortisan, Polyester  
yarn, or Fiberglass yarn core. A glass braid spacer  
shall be employed between the conductor and insulation.

---

Insulation Nominal 3/64-Inch wall of Thermoplastic (PVC) compound  
suitable for use at 105°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Tensile Strength and Elongation of Insulation,  
Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators where  
exposed to temperatures not exceeding 105°C and where not  
subjected to flexing or motion.

Style 1260 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 10 turns per inch on a Fortisan,  
Polyester yarn, or Fiberglas yarn core. A glass braid  
spacer shall be employed between the conductor and  
insulation.

---

Insulation Nominal 3/64 - Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Jacket Extruded Zytel 33 nylon in 2 - mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerators  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1261 Thermoplastic (PVC) - Insulated Heating Wire For  
Use In Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum of 20 turns per inch on a  
Rayon, Cotton, Fortisan, Fiberglas, Dacron or  
Cordura yarn core.

---

Insulation Nominal 3/64 - Inch wall of Thermoplastic (PVC)  
Compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigeration Equipment to  
prevent condensation of moisture on the outside of the  
freezer cabinet and where exposed to temperatures  
not exceeding 80°C.

Style 1262 Thermoplastic (PVC) - Insulated Heating Wire For  
Use in Internal Wiring of Refrigerating Equipment.

---

Rating 80°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound  
for a minimum of 20 turns per inch on a Rayon,  
Cotton, Fortisan, Fiberglas, Dacron, or Cordura  
yarn core.

---

Insulation Nominal 3/64 - Inch wall of Thermoplastic (PVC)  
compound suitable for use at 80°C.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
Representative Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Refrigeration Equipment  
to prevent condensation of moisture on the outside  
of the freezer cabinet and where exposed to  
temperatures not exceeding 80°C.

Style 1263 Thermoplastic (PVC) - Insulated Wire For Use  
In Internal Wiring of Refrigeration Equipment.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire  
wound for a minimum 20 turns per inch on a  
Fortisan, Polyester yarn, or Fiberglas yarn core.

---

Insulation Nominal 3/64 Inch wall of Thermoplastic (PVC).  
Compounds suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon in 2 - mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of Electric Refrigerations  
where exposed to temperatures not exceeding 105°C  
and where not subjected to flexing or motion.

Style 1264 Thermoplastic (PVC) - Insulated Heating Wire.

---

Rating 105°C, 300 Volts.

---

Conductor Minimum 0.0015 inch diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan, Polyester, Rayon, or Fiberglass yarn core.

---

Insulation 45 mils minimum average, 41 mils minimum at any point wall of Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination. Tensile Strength and Elongation of Insulation, Class 43. Spark Test.

---

UL Counter-Check Program \* (4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. \* (4) Heat Shock. \* (4) Deformation. \* (4) Cold Bend. \* (4) Horizontal Flame Test.

---

\*Marking General.

---

\*Use Internal Wiring of Electric Refrigerators where not subjected to flexing or motion.

Style 1265                    Nominal 4/64 Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook Up Use.

---

Rating                      90°C, 600 Volts.

---

\*Conductor                No. 7-2 AWG. Tinned or bare copper.

---

Insulation                Nominal 4/64 Inch wall Thermoplastic (PVC).  
Compounds suitable for use at 90°C in air or  
60°C in oil, or Bulletin compounds if marked for  
use at 90°C in air and 80°C in oil.

---

\*Covering                Lacquered braid.

---

\*Standard                Appliance Wiring Material UL 758.

---

Instructions              Detailed Examination.  
to UL                      Tensile Strength and Elongation of Insulation,  
\*Representative            same as for Class 43.  
\*                            Spark Test.

---

UL                        (4) Detailed Examination.  
Counter-Check            (4) Tensile Strength and Elongation of Insulation.  
Program                    \*  
                              (4) Heat Shock, same as for Type T wire.  
                              (4) Deformation, same as for Type T wire.  
                              (4) Cold Bend, same as for Type T wire.

---

\*Marking                General.

---

Use                        Internal Wiring of Appliances where exposed  
to temperatures not exceeding 90°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 90°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever  
is applicable.



Style 1266                      Nominal 5/64 Inch Thermoplastic (PVC) - Insulated Wire For  
Appliance Hook- Up Use.

---

Rating                              90°C, 600 Volts.

---

\*Conductor                      1-4/0 AWG. Tinned or bare copper.

---

Insulation                      Nominal 5/64 - Inch wall Thermoplastic (PVC). Compound  
suitable for use at 90°C in air or 60°C in oil, or Bulletin  
compounds if marked for use at 90°C in air and 80°C in oil.

---

\*Covering                      Lacquered braid.

---

\*Standard                      Appliance Wiring Material UL 758.

---

Instructions                      Detailed Examination.  
to UL                              Tensile Strength and Elongation of Insulation, same as for  
\*Representative                      Class 43.  
\*                                      Spark Test.

---

UL                                      (4) Detailed Examination  
\*Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
Program                              (4) Heat Shock, same as for Type T wire.  
    (4) Deformation, same as for Type T wire.  
    (4) Cold Bend, same as for Type T wire.

---

\*Marking                      General.

---

Use                                      Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C; or Internal Wiring of  
Appliances where exposed to temperatures not exceeding 90°C  
or exposed to oil at a temperature not exceeding (60°C or  
80°C, whichever is applicable).

Style 1267 Thermoplastic (PVC) - Insulated Heating Wire For Use  
In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper alloy heater wire shall be flattened and wrapped spirally for minimum of 38 turns per inch on a glass yarn core. The core and conductor are then insulated with two extruded walls of nylon Belding Contecelli #BCI-1157 and Du Pont Type 3606 ( avg. thickness of 4 mils). Over the nylon a copper alloy wire, flattened, shall be wrapped spirally for a minimum of 27 turns per inch.

---

Insulation Average thickness 20 mils (18 mil minimum at any point Thermoplastic (PVC).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination, UL 62.  
\*Representative Tensile Strength and Elongation of Insulation, Class 43.  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than 1 megohm 1000 feet using Column IV, Table 13 for temperature Correction factors, UL 83.  
\* Dielectric strength, 1500 Volts.

---

UL Counter-Check (4) Detailed Examination, UL 62.  
\*Program (4) Tensile Strength and Elongation of Insulation, same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at Minus 10°C) same as for Class 43, UL 62.

---

\*Marking General.

---

Use In General Electric Co. Electrically Heated Blankets where exposed to temperatures not exceeding 75°C, and where the suitability of the combination has been determined by Underwriters Laboratories, Inc.

Style 1268 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Internal Wiring of Refrigeration and  
Heat Pump Equipment (Wet Location).

---

Rating 105°C, 300 Volts; moisture resistant, 60°C, 300 V.

---

Conductor Minimum 1.75 mils diameter resistance wire wound for  
a minimum of 25 turns per inch on a Rayon, Cotton,  
Fortisan, Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 4/64 Inch wall of Thermoplastic (PVC)  
Compound suitable for use at 105°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\* Spark Test, 6000 Volts.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
(4) Mechanical Water Absorption at 70°C.  
(4) Specific Inductive Capacity at 30°C.

---

\*Marking General.

---

Use For refrigeration or heat pump use at temperatures  
not exceeding 105°C in dry location, or 60°C in wet  
locations, where not subjected to repeated flexing.

Style 1269 PVC - Insulated, Shielded Wire, and PVC Jacketed.

---

Rating 80°C, 300 Volts.

---

Conductor No. 26-16 AWG, solid or stranded, tinned or bare.  
\*

---

Insulation 15 mil min AWG, 13 mil min at any point wall of  
Thermoplastic (PVC).

---

Fibrous Covering Optional -  
Lacquered braid applied over insulation.

---

\*Shielding Optional.

---

Jacket 15 mil min AWG, 13 mil min at any point  
Thermoplastic (PVC) jacket.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation and  
Jacket, same as for Class 43.  
Spark Test, 3000 Volts.

---

UL Counter-Check  
\*Program  
\*  
\*  
\* (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation  
and Jacket.  
(4) Heat Shock.  
(4) Deformation, Class 43.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use Phonograph Pick - Up and Volume Control; or in the  
Internal Wiring of Appliances.

Style 1270 Nominal 3/64 Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook Up Use.

---

Rating 90°C, 600 Volts; Moisture Resistant, 75°C, 600 Volts.

---

Conductor 18 - 9 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 3/64 Inch wall Thermoplastic (PVC) Type THW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin compound if  
marked for use at 90°C in air and 80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same  
Representative as for THW.  
Dielectric Strength and Insulation Resistance Tests  
same as THW.

\* (12) Insulation Resistance at 75°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for THW.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) Flame Test. Same as for THW.  
(4) Mechanical Water Absorption same as for THW.  
(4) Specific Inductive Capacity same as for THW.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable); Moisture Resistant, 75°C.

Style 1271 Nominal 4/64 Inch Thermoplastic (PVC) - Insulated  
Wire for Appliances Hook-Up Use.

---

Rating 90°C, 600 Volts; Moisture Resistant, 75°C, 600 Volts

---

Conductor 8-2 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 4/64 Inch wall Thermoplastic (PVC) Type THW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin compounds if  
marked for use at 90°C in air and 80°C in oil.

---

Covering None

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same  
Representative as for THW.  
Dielectric Strength and Insulation Resistance Tests  
same as THW.

\* (12) Insulation Resistance at 75°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for THW.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) Flame Test. Same as for THW  
(4) Mechanical Water Absorption same as for THW.  
(4) Specific Inductive Capacity same as for THW.

---

\*Marking General

---

Use Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable); Moisture Resistant, 75°C.



Style 1273                      Nominal 5/64 Inch Thermoplastic ( PVC) - Insulated  
Wire for Appliances Hook-Up Use.

---

Rating                              90°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

Conductor                          1 - 4/0 AWG solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 5/64 Inch wall Thermoplastic (PVC) Type TW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin compound if  
marked for use at 90°C in air and 80°C in oil.

---

Covering                            None.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions to UL                      Detailed Examination.  
\*Representative                      Tensile Strength and Elongation of Insulation, same  
as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW  
\*    (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program              (4) Detailed Examination.  
\*    (4) Tensile Strength and Elongation of Insulation.  
\*    \*  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
    (4) Flame Test. Same as for TW.  
    (4) Mechanical Water Absorption at 70°C.

---

\*Marking                              General.

---

Use    Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable); Moisture Resistant, 60°C.



Style 1274 Thermoplastic (Polyethylene) - Insulated Shielded wire with PVC Jacket.

---

Rating 60°C, 300 Volts.

---

Conductor No. 26-16 AWG solid or stranded, tinned or bare.  
\*

---

Insulation Polyethylene, min. ave. thickness 25.0 mils, min. at any point 22.0 mils.

---

Shielding Metal serve, braid, or equivalent, conductive thermoplastic with drain wire, or aluminum-faced Mylar with drain wire. Uninsulated drain wire optional where not specified.

---

Jacket Over the shielding a Thermoplastic (PVC) jacket min. ave. thickness 31.0 mils. min. at any point 23.0 mils shall be applied. (Class 43).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, same as for Class 43.  
Tensile Strength and Elongation of Jacket, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

\*Use Phonograph Pick-Up and Volume Control; or as Internal Wiring of Appliances at temperatures not exceeding 60C.  
When used, "Conductive PVC Shield" required in contrasting color at intervals of two feet or less.







Style 1278 PVC Insulated Wire.

---

Rating 80°C, 600 Volts; Moisture Resistant 60°C, 600 Volts.

---

\*Conductor 4-4/0 AWG, Stranded.

---

Insulation Nominal 5/64-Inch wall Thermoplastic (PVC)  
 Type TW Bulletin compounds suitable for use  
 at 80°C in air or 60°C in oil, or Bulletin compounds  
 if marked for use at 80°C in air and 80°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
 to UL Tensile Strength and Elongation of Insulation,  
 \*Representative same as for Class 43.  
 Dielectric Strength and Insulation Resistance  
 Tests same as TW.  
 \* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
 Counter-Check (4) Tensile Strength and Elongation of  
 \*Program Insulation.  
 \* (4) Heat Shock.  
 \* (4) Deformation.  
 \* (4) Cold Bend.  
 (4) Flame Test. Same as for TW.  
 (4) Mechanical Water Absorption at 70°C.  
 (4) Specific Inductive Capacity at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed to  
 temperatures not exceeding 80°C or where exposed  
 to oil at a temperature not exceeding (60°C or 80°C,  
 whichever is applicable); Moisture Resistant, 60°C

Style 1279                      Nominal 4/64- Inch Thermoplastic (PVC) - Insulated  
Wire For Appliance Hook - Up Wire.

---

Rating                              80°C, 600 Volts; Moisture Resistant 60°C, 600 Volts.

---

\*Conductor                        7 - 2 AWG.    Tinned or bare copper.

---

Insulation                        Nominal 4/64 - Inch wall Thermoplastic (PVC) Type TW  
Bulletin compounds suitable for use at 80°C in air or  
60°C in oil, or Bulletin compounds if marked for use at  
80°C in air and 80°C in oil.

---

Covering                            None.

---

\*Standard                         Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative                  Detailed Examination.  
Tensile Strength and Elongation of Insulation, same  
as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*                                    (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
\*                                    (4) Detailed Examination.  
\*                                    (4) Tensile Strength and Elongation of Insulation.  
\*                                    \*  
\*                                    (4) Heat Shock.  
\*                                    (4) Deformation.  
\*                                    (4) Cold Bend.  
                                      (4) Flame Test. Same as for TW.  
                                      (4) Mechanical Water Absorption at 70°C.  
                                      (4) Specific Inductive Capacity at 30°C.

---

\*Marking                            General.

---

Use                                    Internal Wiring of Applicances where exposed to  
temperatures not exceeding 80°C or where exposed to  
oil at a temperature not exceeding (60°C or 80°C  
whichever is applicable); Moisture Resistant, 60°C.

Style 1280                      Nominal 3/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook-Up Use.

---

Rating                              80°C, 600 Volts; Moisture Resistant 60°C, 600 Volts.

---

\*Conductor                      No. 18-8 AWG. Tinned or bare copper.

---

Insulation                      Nominal 3/64-Inch wall Thermoplastic (PVC) Type TW  
Bulletin compounds suitable for use at 80°C in air  
and 60°C in oil or Bulletin compounds if marked for  
use at 80°C in air and 80°C in oil.

---

Covering                          None.

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions to UL              Detailed Examination.  
\*Representative                Tensile Strength and Elongation of Insulation, same  
as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*                                    (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program      (4) Detailed Examination.  
                                      (4) Tensile Strength and Elongation of Insulation.  
\*                                    (4) Heat Shock.  
\*                                    (4) Deformation.  
\*                                    (4) Cold Bend.  
                                      (4) Flame Test. Same as for TW.  
                                      (4) Mechanical Water Absorption at 70°C.  
                                      (4) Specific Inductive Capacity at 30°C.

---

\*Marking                          General.

---

Use                                    Internal Wiring of Appliances where exposed to  
temperatures not exceeding 80°C or where exposed to  
oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable); Moisture Resistant, 60°C.





Style 1282                    Nominal 0.025 Inch Thermoplastic (Polyethylene) -  
Insulated Shielded Wire with 1/32 Inch Jacket.

---

Rating                        80°C, 300 Volts.

---

\*Conductor                  No. 26-16 AWG solid or stranded, tinned or bare.

---

Insulation                    Nominal 0.025 Inch wall of Polyethylene.

---

Shielding                     Shielding over conductor insulation shall consist  
of No. 36-30 AWG tinned or untinned copper strands  
applied as a wrap or braid, or a wrap of aluminum  
faced Mylar tape with a parallel, uninsulated drain wire.

---

\*Standard                    Appliance Wiring Material UL 758.

---

Instructions                  Detailed Examination.  
to UL                            Tensile Strength and Elongation of Insulation and  
\*Representative                Jacket, same as for Class 43.  
\*                                    Spark Test, 3000 Volts.

---

UL                                (4) Detailed Examination.  
\*Counter-Check                (4) Insulation.  
Program                         (4) Jacket, Class 43.  
\*                                    (4) Flexibility.  
\*                                    (4) Cold Bend.  
\*                                    (4) Horizontal Flame Test.

---

\*Marking                      General.

---

Use                                Phonograph Pick-Up and Volume Control; or In the  
Internal Wiring of Appliances at temperatures not  
exceeding 80°C.

Style 1283 Polyvinyl Chloride Insulated Wire.

---

Rating 105°C, 600 Volts.

---

\*Conductor 8-2 AWG, tinned or bare copper, or braided conductor consisting of No. 40-20 AWG copper.

---

Insulation Polyvinyl Chloride, 60 mils minimum average, 54 mils minimum at any point, compounds suitable for use at 105°C in air and 60°C or 80°C in oil.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
 Tensile Strength and Elongation of Insulation,  
 \*Representative same as for Class 43.  
 \* Spark Test.

---

UL (4) Detailed Examination.  
 \*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
 \*Program (4) Heat Shock.  
 \* (4) Deformation.  
 \* (4) Cold Bend.  
 \* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may indicate the following: 2500 Volts Peak - For Electronic Use Only.

Style 1284 Thermoplastic (PVC) - Insulated Wire for Appliance Hook-Up Use.

---

Rating 105 deg. C, 600 Volts.

---

\*Conductor No. 8 AWG - 1000 MCM. Tinned or bare copper.

---

Insulation Thermoplastic (PVC).  
Compounds suitable for use at 105°C in air and 80°C or 60°C in oil.

Conductor Size	Insulation		Thickness in Mils
	Min	Average	Min at any point
8 - 4/0 AWG		80	72
245 - 500 MCM		95	86
501 - 1000 MCM		110	99

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for Class 43.  
Spark Test.

---

UL Counter-Check Program  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
(4) Heat Shock, same as for Type T wire but at 136°C.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C, (whichever is applicable).

Style 1285 Thermoplastic (PVC) - Insulated Resistance Wire.

---

Rating 105°C, 125 Volts.

---

Conductor Copper, nickel-alloy, or stainless steel conductor, Nos. 35-31 AWG, wound 10 turns per inch min 70 turns per max on a core of Fortisan, Orlon, Fiberglas, Polyester or Rayon. Core may be coated with Silicone Rubber.

---

Insulation Minimum average 20 mils (18 mils minimum at any point) Thermoplastic (PVC).

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\*  
\*  
\*  
Detailed Examination, UL 62.  
Tensile Strength and Elongation of Insulation, THHN.  
Spark Test, 6000 Volts, Section G.  
Dielectric Strength, 1500 Volts, otherwise same as for Section G.  
Insulation Resistance, 1 megohm-1000 ft. using Column IV from the table of Temperature Correction Factors, from latest edition of UL 83.

---

UL Counter-Check Program  
\*  
\*  
\*  
(4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation, same as for THHN wire.  
(4) Heat Shock at 136°C, Section G.  
(4) Deformation, Class 43, UL 62.  
(4) Cold Bend at minus 20°C, otherwise same as described on Section G.  
(4) Horizontal Flame Test, Section G.

---

\*Marking General.

---

Use In electrically heated pads, and where the acceptability of the combination has been determined by Underwriters Laboratories Inc.





Style 1288 Thermoplastic (Polyethylene) - Insulated Shielded  
Wire with PVC Jacket.

---

Rating 80°C, 300 Volts.

---

Conductor No. 26-16 AWG solid or stranded, tinned or bare.  
\*

---

Insulation Polyethylene min. ave. thickness 47.0 mils.  
min. at any point 43.0 mils.

---

Braid (Optional) Lacquered fibrous braid.

---

Shielding Metal serve, braid, or equivalent, conductive  
thermoplastic with drain wire, or aluminum-faced  
Mylar with drain wire. Uninsulated drain wire  
optional where not specified.

---

Jacket Over the shielding a Thermoplastic (PVC) jacket  
min. ave. thickness 25.0 mils, min. at any point  
18.0 mils shall be applied, rated 80°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation and  
\*Representative Jacket, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Phonograph Pick-up and Volume Control; or as  
Internal Wiring of Appliances at temperatures  
not exceeding 80°C.  
When used, "Conductive PVC Shield" required in  
contrasting color at intervals of two feet or less.







Style 1290 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Electrically Heated Pads.

---

Rating 105°C, 125 V.

---

Conductor A or B  
A. Phosphor bronze conductor, No. 37 AWG,  
wound a minimum of 20 turns per inch on a  
core of fiberglass. Diameter over  
conductor and core approximately 26 mils.  
B. Phosphor bronze conductor No. 38 AWG,  
wound a minimum of 20 turns per inch on a  
yarn core.

---

Insulation Minimum average 20 mils (18 mils minimum at  
any point) Thermoplastic (PVC).

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions to UL  
Representative \*  
Detailed Examination.  
Tensile Strength and Elongation of  
Insulation, THW, UL 83.  
Spark Test, 6000 V.  
Dielectric Strength, 1500 V.  
\*  
Insulation Resistance at room temperature  
(min 200 megohms per 1000 ft) use Column IV  
for temperature correction factors, UL 83.

---

UL Counter-Check Program \*  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of  
Insulation, same as for THW wire, UL 83.  
(4) Heat shock at 136°C.  
(4) Deformation.  
(4) Cold Bend at minus 20°C.  
\*  
(4) Horizontal Flame Test.

---

(Continued on Page 1290A)

UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1290A

APPLIANCE WIRING MATERIAL  
Issued: March 12, 1962  
New: Nov. 26, 1986

\*Marking                   General.

---

Use                         In electrically heated pads, and where the  
                              acceptability of the combination has been  
                              determined by Underwriter's Laboratories Inc.

Style 1291            Nominal 4/64-Inch Thermoplastic (Polyethylene) -  
Insulated Wire.

---

Rating                80°C, 300 Volts

---

Conductor            No. 29 AWG. copper-covered steel wire.

---

Insulation            Nominal 4/64-Inch wall of Polyethylene (Minimum  
thickness 56 mils), rated 80°C.

---

Shielding            Over conductor insulation consisting of No. 40-36 AWG  
copper applied as a closely woven braid.

---

Jacket                Nominal 1/32-Inch wall of Thermoplastic (PVC),  
Class 43, rated 105°C.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same  
\*Representative        as for Class 43.  
                      Tensile Strength and Elongation of Jacket, same as  
\*                        for Class 43.  
\*                        Spark Test, 3000 V.

---

UL                    (4) Detailed Examination.  
\*Counter-Check        (4) Insulation.  
Program                (4) Jacket, Physical Properties, Class 43.  
\*                        (4) Flexibility.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                    Intended as Radio - frequency transmission cable.

Style 1292            6 - mil Wall Extruded Fluorinated Ethylene  
Propylene Insulated Wire having a Nylon Jacket.

---

Rating                105°C, Voltage not specified.

---

Conductor            No. 20-30 AWG solid or stranded, bare, tinned,  
silver plated or nickel coated copper, nickel conductor,  
silver plated zirconium copper alloy, silver plated  
cadmium chrome copper alloy or silver plated cadmium  
bronze copper alloy.

---

Insulation            6 - mil min. average wall extruded fluorinated  
ethylene propylene, 4.5 mil minimum at any point.

---

\*Covering            Extruded nylon, in nom. 3 - mil wall , 2.5 - mil  
minimum at any point.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative        except 2000 psi for original Tensile Strength.  
\*                      Spark Test, 2000 volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of  
\*Program              Insulation, except 2000 psi for  
                          original Tensile Strength and 75% of  
                          original Tensile Strength and Elongation  
                          after aging.  
\*                      (4) Heat Shock, with nylon removed and 260°C.  
\*                      (4) Cold Bend.

---

\*Marking            General.

---

Use                    In electronic equipment and where exposed to oil  
at a temperature not exceeding 60°C.

Style 1293            10 - mil wall of extruded fluorinated ethylene  
propylene insulated wire.

---

Rating                105°C, voltage not specified.

---

Conductor            No. 20 - 30 AWG solid or stranded, bare or tinned,  
\*                      nickel coated or silver plated copper, or nickel  
                         conductor.

---

Insulation            10 - mil min. average wall extruded fluorinated  
                         ethylene propylene 8 - mil minimum at any point.

---

\*Covering            Extruded nylon, in a 2 - mil minimum  
\*                      thickness or lacquered braid.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation  
\*Representative       before aging.  
\*                      Spark Test, 2000 V.

---

UL                    (4) Detailed Examination  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                      (4) Heat Shock, except at 260°C.  
                         (4) Cold Bend.

---

\*Marking             General.

---

Use                    In office appliances and where exposed to  
                         oil at a temperature not exceeding 60°C, and  
                         where not subjected to undue mechanical abuse.

Style 1294            10 - Mil wall of extruded fluorinated ethylene  
propylene insulated wire.

---

Rating                80°C, voltage not specified.

---

Conductor            No. 20-30 AWG solid or stranded, bare or tinned,  
nickel coated or silver plated copper,  
\* or nickel conductor.

---

Insulation            10 - mil min. average wall extruded fluorinated  
ethylene propylene 8 - mil minimum at any point.

---

\*Covering            Extruded nylon, in a 2 - mil minimum  
\* thickness or lacquered braid.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation  
\*Representative       before aging.  
\* Spark Test, 2000 V.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
\*                      (4) Heat Shock, except at 260°C.  
\*                      (4) Cold Bend.

---

\*Marking             General.

---

Use                    In office appliances where exposed to oil  
at a temperature not exceeding 60°C, and  
where not subjected to undue mechanical abuse.









Style 1298            Nominal 70-mil thermoplastic (polyethylene)  
insulated, shielded wire with 1/32-Inch (PVC) jacket.

---

Rating                80°C, 300 volts.

---

Conductor            No. 26-16 AWG, solid or stranded, tinned or bare  
\*                      copper, or  
                         No. 27 AWG (7 strands No. 35 AWG) bare or tinned  
                         copper or bare or tinned copper-clad steel.

---

Insulation            Nominal 70-mil (63-mil min at any point) polyethylene.

---

Shielding            Shielding over conductor insulation shall consist of  
                         No. 36-30 AWG tinned or bare copper applied as a  
                         braid or wrap, or a wrap of aluminum faced tape  
                         having a parallel uninsulated drain wire, size  
                         24-18 AWG, solid or stranded, tinned or bare.

---

Jacket                Over the shielding a nominal 1/32-Inch thermoplastic  
                         (PVC) jacket shall be applied, rated 105°C.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation and  
\*Representative       Jacket, same as for Class 43.  
\*                      Spark Test, 3000 Volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Jacket, Class 43.  
Program                (4) Heat Shock, Class 43, Jacket only.  
                         (4) Cold Bend, Class 43, but at minus 10°C.  
\*                        (4) Horizontal Flame Test.  
                         (4) Deformation, Class 43, Jacket only.

---

\*Marking            General.

---

Use                    For electronic equipment where insulation is  
                         exposed to a temperature not exceeding 80°C,  
                         and the jacket is exposed to a temperature not  
                         exceeding 105°C.

Style 1299 Polyethylene-Insulated, Shielded and Thermo-  
plastic (PVC) Jacketed Cable.

---

Rating 80°C, 300 volts (voltage rating applies to jacket only).

---

Conductor No. 20-26 AWG copper-clad steel, or copper alloy  
bare, tinned or silver-coated, having a minimum  
\* 40 per cent conductivity.

---

Insulation Over the conductor shall be applied a spiral wrap of  
flame-retardant polyethylene thread nominal 25 mils  
in diameter, approximately 3/8 in. between turns.  
This assembly shall be enclosed with a flame-retardant  
polyethylene tube having an approximately 15 mil wall.  
An extruded Zytel 33 nylon covering, 3 mils nominal,  
2 mils minimum at any point may be applied over the tube.

---

Shielding A shield over the nylon covered tube shall consist of  
a bare or tinned copper braid or a wrap of aluminum  
faced mylar tape with a parallel uninsulated drain wire.

---

Jacket Thermoplastic (PVC), nominal 20 mils, minimum (at  
any point) 17 mils, shall be the outer jacket.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Jacket, Class 43.

Representative \*  
\* Spark Test, 3000 volts, shall be applied between shielding  
and electrode contacting outer surface of jacket.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Physical Properties of Polyethylene Tube.  
Program (4) Physical Properties of Jacket, Class 43 (rated 80°C).  
\* (4) Cold Bend (applicable to Jacket only).  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a temperature  
not exceeding 80°C and where the jacket is exposed to a  
maximum operating potential of 300 volts.

Style 1300                      Nominal 40 Mil Thermoplastic (Polyethylene) - Insulated Wire  
With Copper Braid Shield And A Nominal 1/32 In. PVC Jacket.

---

Rating                              80°C, 600 Volts.

---

Conductor                          No. 26 AWG copper-covered steel wire.

---

Insulation                          Nominal 40 mil wall of Polyethylene, rated 80°C.

---

\*Shielding                          Optional.

---

Jacket                                  Nominal 1/32-Inch wall of Thermoplastic (PVC), Class 43,  
rated 80°C.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative                      Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as  
for Class 43.  
Tensile Strength and Elongation of Jacket, same as for  
Class 43.  
\* Spark Test, 4000 V.  
\*

---

UL    (4) Detailed Examination.  
\*Counter-Check Program              (4) Insulation.  
   (4) Jacket, Physical Properties, Class 43.  
\*    (4) Flexibility.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                  General.

---

Use    Internal wiring of electronic equipment.

Style 1301 Polyethylene Insulated, Shielded and PVC Jacketed Wire.

---

Rating 80°C, 600 Volts.

---

Conductor No. 26-16 AWG. Solid or stranded copper wire with No. 30 AWG  
\* or smaller strands, tinned or bare.

---

Insulation Polyethylene - 40 mil min. at any point. 45 mils minimum  
average.

---

Covering Lacquered textile braid applied between the insulation and  
(Optional) the shield.

---

\*Shielding Optional.

---

Jacket PVC: Class 43, 31 mils minimum average 28 mils minimum at  
any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, same as  
\*Representative for Class 43.  
Tensile Strength and Elongation of Jacket, same as for  
\* Class 43.  
\* Spark Test, 4000 V.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Physical Properties, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend,  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1302            Nominal 1/32-inch thermoplastic (PVC) insulation, a wrap or braid shield, and a nominal 1/64-inch thermoplastic (PVC) jacket.

---

Rating                80°C, 600 volts.

---

\*Conductor            No. 26-16 AWG stranded or solid, tinned or bare copper.

---

Insulation            Nominal 1/32-inch wall of thermoplastic (PVC) rated 80°C.

---

\*Shielding            Optional.

---

Jacket                Over the shielding a nominal 1/64-inch thermoplastic (PVC) shall be applied, rated 80°C.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions to UL    Detailed Examination.  
\*Representative      Tensile Strength and Elongation of Insulation and Jacket  
\*                        for Class 43.  
\*                        Spark Test, 4000 volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation and  
\*Program              Jacket.  
\*                        (4) Heat Shock.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.  
\*                        (4) Deformation.

---

\*Marking            General.

---

Use                   Internal Wiring of Electronic Equipment.

Style 1303            Nominal 40-Mil Thermoplastic (Polyethylene), A Braid or  
Wrap Shield And A Nominal 25-Mil Thermoplastic (PVC)  
Jacket.

---

Rating                80°C, 600 Volts.

---

Conductor            No. 26 AWG. copper covered steel wire.

---

Insulation            Nominal 40-Mil Wall of Polyethylene.

---

\*Shielding            Optional.

---

Jacket                Over the shielding, a nominal 25 mil Thermoplastic (PVC)  
jacket shall be applied. (Class 43).

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation and Jacket,  
\*Representative            for Class 43.  
\*                            Spark Test, 4000 Volts.

---

UL                      (4) Detailed Examination.  
\*Counter-Check        (4) Insulation.  
Program                (4) Jacket, Class 43.  
                          (4) Flexibility.  
                          (4) Cold Bend.  
                          (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                    Internal Wiring of Electronic Equipment.



Style 1304            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated Wire for  
Electronic Use With A Copper Wrap or Braid Shield and a  
Nominal 1/32 in. PVC Jacket.

---

Rating                80°C, 600 Volts.

---

\*Conductor            No. 26-10 AWG. solid or stranded, tinned or bare.

---

Insulation            Nominal 1/32 - Inch wall Thermoplastic (PVC) compounds  
suitable for use at 80°C.

---

\*Shielding            Optional.

---

Jacket                 Over the shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket shall be applied rated 80°C.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation and Jacket  
\*Representative        for Class 43.  
\*                         Spark Test, 4000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check         (4) Tensile Strength and Elongation of Insulation and  
\*Program                Jacket.  
\*                         (4) Heat Shock.  
                          (4) Deformation, Class 43.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Internal wiring of electronic equipment.

Style 1305            Nominal 1/32-Inch Thermoplastic (Polyethylene) - Insulated Wire.

---

Rating                80°C, 600 Volts.

---

\*Conductor            No. 26-16 AWG, solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/32-Inch (28 mil minimum) wall Thermoplastic (Polyethylene).

---

Jacket                Nominal 20-Mil wall Thermoplastic (PVC), (minimum at any point 16-Mil).

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\*  
\*                        Detailed Examination.  
                          Tensile Strength and Elongation of Insulation, same as for Class 43.  
                          Tensile Strength and Elongation of Jacket, same as for Class 43.  
                          Spark Test, 3000 Volts.

---

UL  
\*Counter-Check Program  
\*  
\*                        (4) Detailed Examination.  
                          (4) Flexibility of Insulation.  
                          (4) Jacket same as Class 43, except test temperatures shall be 87°C.  
                          (4) Heat Shock, Class 43, but at 100°C.  
                          (4) Deformation, Class 43, but at 100°C for insulation.  
                          (4) Cold Bend.  
                          (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                    In appliances or for electric use, where exposed to temperatures not exceeding 80°C, or where exposed to oil at temperatures not exceeding 60°C.

Style 1306            Nominal 6/64-Inch Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Air Conditioning and  
Refrigeration Equipment.

---

\*Conductor            No. 8 AWG. stranded copper, tinned or bare.

---

Rating                80°C, 600 volts.

---

Insulation            Nominal 6/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air or 60°C in oil or  
Bulletin compounds if marked for use at 80°C in air and 80°C  
in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed examination.  
to UL                    Tensile strength and elongation of insulation, same as  
\*Representative        for Class 43.  
\*                         Spark Test.  
                           Insulation Resistance shall be not less than 1 megohm -  
                           1000 feet.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*  
                           (4) Heat Shock, same as for Type T wire.  
                           (4) Deformation, same as for Type T wire.  
                           (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                     Internal wiring of Electric Air Conditioning and  
Refrigerating Equipment where exposed to temperatures  
not exceeding 80°C; or Internal Wiring of Electric Air  
Conditioning and Refrigerating Equipment where exposed  
to temperatures not exceeding 80°C or where exposed to  
oil at a temperature not exceeding (60°C or 80°C, whichever  
is applicable).

Style 1307            Nominal 6/64-Inch Thermoplastic (PVC) - Insulated Wire for  
Internal Wiring of Air Conditioning and Refrigeration  
Equipment.

---

Rating                90°C, 600 Volts.

---

\*Conductor            No. 8 AWG stranded copper, tinned or bare.

---

Insulation            Nominal 6/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 90°C in air or 60°C in oil or Bulletin  
compounds if marked for use at 90°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation, same as  
\*Representative        for Class 43.  
\*                          Spark Test.  
                            Insulation Resistance shall be not less than 1 megohm -  
                            1000 feet.

---

UL                      (4) Detailed Examination.  
\*Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                (4) Heat Shock, same as for Type T wire.  
                            (4) Deformation, same as for Type T wire.  
                            (4) Cold Bend, same as for Type T wire.

---

\*Marking                General.

---

Use                      Internal wiring of Electric Air Conditioning and  
Refrigerating Equipment where exposed to temperatures  
not exceeding 90°C; or Internal Wiring of Electric Air  
Conditioning and Refrigerating Equipment where exposed to  
temperatures not exceeding 90°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever is  
applicable).

Style 1308            Nominal 6/64-Inch Thermoplastic (PVC) - Insulated Wire for  
Internal Wiring of Air Conditioning and Refrigeration  
Equipment.

---

Rating                105°C, 600 volts.

---

\*Conductor            No. 8 AWG stranded copper, tinned or bare.

---

Insulation            Nominal 6/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 105°C in air or 60°C in oil or  
Bulletin compounds if marked for use at 105°C in air and  
80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation, same as for  
\*Representative        Class 43.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                \*

(4) Heat Shock, same as for Type T wire, except at 136°C.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                     Internal wiring of Electric Air Conditioning and  
Refrigerating Equipment where exposed to temperatures not  
exceeding 105°C; or Internal Wiring of Electric Air  
Conditioning and Refrigerating Equipment where exposed to  
temperatures not exceeding 105°C, or where exposed to oil  
at a temperature not exceeding (60°C or 80°C, whichever is  
applicable).

Style 1309                    Nominal 0.0026 Inch Thermoplastic (Polyethylene)  
                                 Insulated Shielded Wire with 3/64 Inch Jacket.

---

Rating                        80°C, 300 Volts.

---

\*Conductor                  No. 26-16 AWG. solid or stranded, tinned or bare.

---

Insulation                   Nominal 0.0026 Inch wall of Polyethylene.

---

Shielding                    Shielding over conductor insulation shall consist  
                                 of No. 36-30 AWG tinned or untinned copper strands  
                                 applied as a wrap or braid, or a wrap of aluminum  
                                 Faced Mylar tape with a parallel, uninsulated  
                                 drain wire.

---

Jacket                         Over the shielding a nominal 3/64 Inch Thermoplastic  
                                 (PVC) jacket shall be applied, rated 105°C.

---

\*Standard                    Appliance Wiring Material UL 758.

---

Instructions                  Detailed Examination.  
to UL                            Tensile Strength and Elongation of Insulation and  
\*Representative                Jacket, same as for Class 43.  
\*                                   Spark Test, 3000 Volts.

---

UL                              (4) Detailed examination.  
\*Counter-Check                (4) Insulation.  
Program                        (4) Jacket, Class 43.  
\*                                (4) Flexibility.  
\*                                (4) Cold Bend.  
\*                                (4) Horizontal Flame Test.

---

\*Marking                      General.

---

Use                             Phonograph Pick Up and Volume Control; or  
                                 In the Internal Wiring of Appliances at temperatures  
                                 no exceeding 80°C.

Style 1310 Nominal 4/64 Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Room Cooler Units.

---

Rating 60°C, 600 Volts; Moisture Resistant.

---

Conductor No. 18-10 AWG consisting of No. AWG or smaller  
\* stranded copper, tinned or bare.

---

Insulation Nominal 4/64 Inch wall Thermoplastic (PVC) Type TW  
Bulletin Compound.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation, before  
Representative aging same as for TW wire.  
Dielectric Strength and Elongation of Insulation  
Resistance Tests same as TW.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program same as for TW wire.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) Flame Test, same as for TW.  
(4) Mechanical Water Absorption at 70°C.  
(4) Specific Inductive Capacity at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating Equipment at  
temperatures not exceeding 60°C; Moisture Resistant, 60°C.

Style 1311            Nominal 4/64 Inch Thermoplastic (PVC) - Insulated  
Wire for Internal Wiring of Room Cooler Units.

---

Rating                80°C, 600 Volts; Moisture Resistance, 60°C, 600 Volts

---

Conductor  
\*                      No. 18-10 AWG consisting of No. 30 AWG or smaller  
stranded copper, tinned or bare.

---

Insulation            Nominal 4/64 Inch Wall Thermoplastic (PVC) Type TW  
Bulletin Compound also suitable for use at 80°C in  
air or 60°C in oil, or AWM Bulletin compound if  
marked for use at 80°C in air or 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions  
to UL  
\*Representative      Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*                      (12) Insulation Resistance at 60°C.

---

UL  
Counter-Check  
Program  
\*                      (4) Detailed Examination  
\*                      (4) Tensile Strength and Elongation of Insulation.  
\*                      \*  
\*                      (4) Heat Shock.  
\*                      (4) Deformation.  
\*                      (4) Cold Bend.  
                      (4) Flame Test, same as for TW.  
                      (4) Mechanical Water Absorption at 70°C.  
                      (4) Specific Inductive Capacity at 30°C.

---

\*Marking              General.

---

Use                    Internal Wiring of Electric Refrigerating Equipment  
or Air Conditioning Equipment at temperatures not  
exceeding 80°C; or ditto where exposed to oil at  
temperatures not exceeding (60°C or 80°C) whichever  
is applicable; Moisture Resistant, 60°C.



Style 1312                    Nominal 4/64 Inch Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Room Cooler Units.

---

Rating                      90°C , 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

Conductor  
\*                            No. 18-10 AWG consisting of No. 30 or smaller  
stranded copper, tinned or bare.

---

Insulation                    Nominal 4/64 Inch wall Thermoplastic (PVC) Type TW  
Bulletin Compound also suitable for use at 90°C in  
air or 60°C in oil, or AWM Bulletin Compound if  
marked for use at 90°C in air and 80°C in oil.

---

Covering                    None.

---

\*Standard                    Appliance Wiring Material UL 758.

---

Instructions  
to UL  
\*Representative              Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as TW.  
\*                            (12) Insulation Resistance at 60°C.

---

UL  
Counter-Check  
Program  
\*                            (4) Detailed Examination.  
\*                            (4) Tensile Strength and Elongation of Insulation.  
\*                            (4) Heat Shock.  
\*                            (4) Deformation.  
\*                            (4) Cold Bend.  
                              (4) Flame Test, same as for TW.  
                              (4) Mechanical Water Absorption at 70°C.  
                              (4) Specific Inductive Capacity at 30°C .

---

\*Marking                    General.

---

Use                            Internal Wiring of Electric Refrigerating Equipment  
at temperatures not exceeding 90°C; or ditto  
where exposed to oil at temperatures not exceeding  
(60°C or 80°C ) whichever is applicable;  
Moisture Resistant, 60°C.

Style 1313 Thermoplastic (PVC) - Insulated Resistance wire for Heating cable Units.

---

Rating 90°C, 250 Volts; Moisture Resistant, 60°C, 250 Volts.

---

Conductor Minimum 0.0025 in diameter resistance wire wound for a minimum 20 turns per inch on a Fortisan or Fiberglas yarn core.

---

Insulation Nominal 1/32 inch wall Thermoplastic (PVC). Type TW Bulletin compound, also suitable for use at 90°C in air,

---

Covering Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative  
Detailed Examination, UL 62.  
Tensile Strength and Elongation of Insulation Class 43.  
\*  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.  
\* (12) Insulation Resistance at 60°C.

---

UL  
\*Counter-Check Program  
(4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.  
(4) Mechanical Water Absorption at 70°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C; moisture resistant 60°C." The conduct or alloy designation shall be included Ohms per foot rating (optional marking).

Style 1314            Nominal 8/64-Inch Thermoplastic (PVC) - Insulated Wire for  
Internal Wiring of Air Conditioning and Refrigeration  
Equipment.

---

Rating                80°C, 600 volts.

---

\*Conductor            No. 8-6 AWG. stranded copper, tinned or bare.

---

Insulation            Nominal 8/64-Inch Wall Thermoplastic (PVC). Compounds  
suitable for use at 80°C in air or 60°C in oil or Bulletin  
compounds if marked for use at 80°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation, same as for  
\*Representative        Class 43.  
\*                         Spark Test.

---

UL                      (4) Detailed Examination.  
\*Counter-Check        (4) Tensile Strength and Elongation of Insulation.  
Program                (4) Heat Shock, same as for Type T wire.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                     Internal wiring of Electric Air Conditioning and  
Refrigerating Equipment where exposed to temperatures not  
exceeding 80°C; or Internal Wiring of Electric Air  
Conditioning and Refrigerating Equipment where exposed to  
temperatures not exceeding 80°C or where exposed to oil at a  
temperature not exceeding (60°C or 80°C, whichever is  
applicable).

Style 1315                    Nominal 1/32 In. Thermoplastic (PVC) Insulated Wire for  
Non - Heating Leads on Radiant Heating Units.

---

Rating                      60°C, 115 Volts.

---

\*Conductor                No. 14-12 AWG solid or stranded, tinned or bare copper.

---

Insulation                Nominal 1/32 in wall of Thermoplastic (PVC) compounds  
suitable for use on Type TW wire. The insulation shall be  
yellow in color to indicate 115 volts rating.

---

Covering                  Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

\*Standard                 Appliance Wiring Material UL 758.

---

Instructions                Detailed Examination.  
to UL                        Tensile Strength and Elongation of Insulation,  
Representative             before aging, same as for Type TW wire.  
\*                             Spark Test.

---

UL                            (4) Detailed Examination.  
Counter-Check              (4) Tensile Strength and Elongation of Insulation,  
Program                      same for Type TW Wire.  
                                  (4) Heat Shock, same as for Type TW wire.  
                                  (4) Deformation, same as for Type TW wire.  
                                  (4) Cold Bend, same as for Type Tw wire.  
                                  (4) Mechanical Water Absorption at 70°C .  
                                  (4) Specific Inductive Capacity at 30°C.  
                                  (4) Flame Test same as for Type TW.

---

\*Marking                  General.

---

Use                         Only as factory assembled Non Heating Leads on Radiant  
Heating Cable units for in concrete driveway, walk, etc.

Style 1316                      Similar to Style THHN.

---

Rating                              105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor  
\*                                      Sizes 26-12 AWG, solid or stranded, tinned or bare copper;  
or Size 12 AWG solid aluminum.

---

Insulation                              Nominal 15-mil (min. 13-mil) PVC thermoplastic.

---

Covering                                Extruded Zytel 33 nylon in 4-mil minimum thickness.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
Representative                              Tensile Strength and Elongation of Insulation,  
\*    same as for Class 43.  
\*    Spark Test.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation.  
\*Program                                      (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                General.

---

Use    Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C or 105°C (whichever is  
applicable) or where exposed to oil at a temperature not  
exceeding 60°C or 80°C (whichever is applicable). Optional  
marking - may be marked "Gasoline-Resistant" if the nylon  
jacket is a compound on Subject 83 Bulletin of compounds  
acceptable for gasoline resistance.

Style 1317                      Similar to Style THHN.

---

Rating                              105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor                          Size 10 AWG, solid or stranded, tinned or bare copper;  
\*                                      or Size 10 AWG solid or stranded aluminum.

---

Insulation                          Nominal 20-mil (min. 18-mil) PVC thermoplastic.

---

Covering                              Extruded Zytel 33 nylon in 4-mil minimum thickness.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                      Tensile Strength and Elongation of insulation,  
Representative                          same as for Class 43.  
\*    Spark Test.

---

UL    (4)    Detailed Examination.  
Counter-Check                          (4)    Tensile Strength and Elongation of  
\*Program                                      Insulation.  
\*    (4)    Heat Shock.  
\*    (4)    Deformation.  
\*    (4)    Cold Bend.  
\*    (4)    Horizontal Flame Test.

---

\*Marking                                  General.

---

Use    Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C or 105°C (whichever is  
applicable) or where exposed to oil at a temperature not  
exceeding 60°C or 80°C (whichever is applicable).

Style 1318                      Similar to Style THHN.

---

Rating                          105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor  
\*                                Sizes 8-6 AWG, solid or stranded, tinned or bare copper;  
or Sizes 8-6 AWG solid or stranded aluminum.

---

Insulation                      Nominal 30-mil (min. 28-mil) PVC thermoplastic.

---

Covering                        Extruded Zytel 33 nylon in 5-mil minimum thickness.

---

\*Standard                      Appliance Wiring Material UL 758.

---

Instructions  
to UL                            Detailed Examination.  
Representative                Tensile Strength and Elongation of  
\*                                    Insulation, same as for Class 43.  
                                     Spark Test.

---

UL                                (4) Detailed Examination.  
Counter-Check                (4) Tensile Strength and Elongation of Insulation.  
\*Program                        (4) Heat Shock.  
\*                                    (4) Deformation.  
\*                                    (4) Cold Bend.  
\*                                    (4) Horizontal Flame Test.

---

\*Marking                        General.

---

Use                                Internal Wiring of Appliances where exposed to  
temperatures not exceeding 90°C or 105°C (whichever is  
applicable) or where exposed to oil at a temperature not  
exceeding 60°C or 80°C (whichever is applicable).

Style 1319                      Similar to Style THHN.

---

Rating                              105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor  
\*                                      Sizes 4-2 AWG, solid or stranded, tinned or bare copper;  
or Sizes 4-2 AWG stranded aluminum.

---

Insulation                              Nominal 40-mil (min. 36-mil) PVC thermoplastic.

---

Covering                              Extruded Zytel 33 nylon in 6-mil minimum thickness.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL  
Representative  
\*                                      Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for  
Class 43.  
Spark Test.

---

UL  
Counter-Check  
\*Program  
\*                                      (4) Detailed Examination.  
\*                                      (4) Tensile Strength and Elongation of  
\*                                      Insulation.  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring of Appliances where exposed to temperatures  
not exceeding 90°C or 105°C (whichever is applicable) or  
where exposed to oil at a temperature not exceeding 60°C  
or 80°C (whichever is applicable).



Style 1320                      Similar to Style THHN.

---

Rating                              105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor  
\*                                      Sizes 1-4/0 AWG, stranded, tinned or bare copper;  
or Sizes 1-4/0 AWG stranded aluminum.

---

Insulation                          Nominal 50-mil (min. 45-mil) PVC thermoplastic.

---

Covering                              Extruded Zytel 33 nylon in 7-mil minimum thickness.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL                                      Detailed Examination.  
Representative                          Tensile Strength and Elongation of Insulation,  
\*    same as for Class 43.  
Spark Test.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Tensile Strength and Elongation of Insulation.  
\*Program                                      (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                      General.

---

Use    Internal Wiring of Appliances where exposed to temperatures  
not exceeding 90°C or 105°C (whichever is applicable) or  
where exposed to oil at a temperature not exceeding 60°C  
or 80°C (whichever is applicable).

Style 1321                      Similar to Style THHN.

---

Rating                              105°C when employing copper, 90°C when employing  
aluminum; 600 volts.

---

Conductor  
\*                                      Sizes 250-1000 MCM, stranded, tinned or bare copper;  
or Sizes 250-1000 MCM stranded aluminum.

---

Insulation                              PVC thermoplastic, 60 mils min avg., and 54 mils min.  
at any point for Sizes 250-500 MCM and 70 mils min.  
avg., and 63 mils min. at any point for  
Sizes 501-1000 MCM.

---

Covering                              Extruded Zytel 33 nylon in 8-mil minimum thickness  
for Sizes 250-500 MCM and in 9-mil min. thickness  
for Sizes 501-1000 MCM.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions  
to UL  
Representative  
\*                                      Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for  
Class 43.  
Spark Test.

---

UL  
Counter-Check  
\*Program  
\*                                      (4) Detailed Examination.  
\*                                      (4) Tensile Strength and Elongation of  
\*                                      Insulation.  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Internal Wiring of Appliances where exposed to temperatures  
not exceeding 90°C or 105°C (whichever is applicable) or  
where exposed to oil at a temperature not exceeding 60°C  
or 80°C (whichever is applicable).





Style 1324 Polyethylene - Insulated, Shielded and PVC Jacketed.

---

Rating 80°C, 300 Volts.

---

\*Conductor No. 30-16 AWG solid or stranded, tinned or bare.

---

Insulation 25 mils min. average, 22 mils min. at any point  
of Polyethylene.

---

\*Shielding Optional.

---

Jacket 20 mil min. average, 16 mil min. at any point.  
Inch Thermoplastic (PVC) jacket shall be  
applied, rated 80°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation  
\*Representative and Jacket, same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Phonograph Pick-Up and Volume Control; or in the  
Internal Wiring of Appliances.

Style 1325            Nominal 1/32-Inch Thermoplastic (Polyethylene)  
Insulation, a Nominal 7 mil Conductive Thermoplastic  
Shield and a Nominal 1/32-Inch Thermoplastic (PVC)  
Jacket.

---

Rating                80°C, 600 Volts.

---

\*Conductor            No. 26-16 AWG solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/32-Inch Wall of Polyethylene.

---

Shielding            A black colored conductive thermoplastic material 7 mils  
nominal, 6 mils minimum wall, in conjunction with a  
26, 24, or 22 AWG stranded or solid, tinned or bare  
copper bonding conductor.

---

Jacket                Over the shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket shall be applied. (Rated 80°C). The  
color of the jacket shall be other than black.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, and  
\*Representative        Jacket same as for Class 43.  
\*                      Spark Test, 3000 Volts.

---

UL                    (4) Detailed Examination.  
\*Counter-Check        (4) Insulation.  
Program                (4) Jacket, Class 43.  
\*                      (4) Flexibility.  
\*                      (4) Cold Bend.  
\*                      (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                    Phonograph Pick-Up and Volume Control; or In the  
Internal Wiring of Appliances at temperatures not  
exceeding 80°C.

Style 1326            Nominal 1/32-Inch Thermoplastic (Polyethylene) -  
Insulated Shielded Wire with 1/64-Inch Jacket.

---

Rating                80°C, Volts: 600 (Insulation), 300 (Jacket).

---

Conductor  
\*                      No. 26-16 AWG solid or stranded, tinned or bare  
copper.

---

Insulation            Nominal 1/32-Inch wall of Polyethylene.

---

Shielding             Shielding over conductor insulation shall consist  
of No. 36-30 AWG tinned or untinned copper strands  
applied as a wrap or braid.

---

Jacket  
\*                      Over the shielding a nominal 1/64-Inch Thermoplastic  
(PVC) jacket rated 80°C shall be applied or a  
lacquered braid.

---

Standard              Appliance Wiring Material UL 758.

---

Instructions  
to UL                  Detailed Examination.  
\*Representative      Tensile Strength and Elongation of Insulation and  
\*                          Jacket same as Class 43.  
\*                          Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
\*Counter-Check      (4) Insulation.  
Program                (4) Jacket, Class 43.  
\*                          (4) Flexibility.  
\*                          (4) Cold Bend.  
\*                          (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Phonograph Pick-Up and Volume Control; or In the  
Internal Wiring of Appliances at temperatures not  
Exceeding 80°C.

Style 1327            Polyvinylidene Fluoride Resin Insulated Wire.

---

Rating                105°C, No voltage rating.

---

\*Conductor            No. 30-16 AWG.

---

Insulation            10 Mils min average, 8 mils min at any point wall  
polyvinylidene fluoride resin.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
\*to UL                 Flexing, except using mandrel two times diameter of  
Representative         wire.  
\*                        Spark Test, 2,000 volts.  
                          Tensile Strength and Elongation, as received, (4500 psi and  
                          100 per cent elongation, minimum acceptable values).

---

UL                      (4) Detailed Examination.  
Counter-Check         (4) Age 60 days in air-oven at 113°C after which samples  
\*Program               shall be flexed except using mandrel two times  
                          diameter of wire.  
                          (4) Tensile Strength and Elongation, same as above.  
\*                        (4) Horizontal Flame Test.

---

\*Marking                General.

---

Use                     Electronic Equipment.



Style 1328 Nominally, 4/64 In. Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook Up Use.

---

Rating 105°C, 600 V.

---

\*Conductor No. 7-2 AWG. Tinned or bare copper.

---

Insulation Nominally 4/64 In. Wall Thermoplastic (PVC).  
Compounds suitable for use at 105°C in air or  
60°C in oil, or Bulletin Compounds if marked  
for use at 105°C in air and 80°C in oil.

---

Covering Extruded Zytel 33 nylon in 2 mil minimum  
\* thickness, or lacquered braid.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation.  
\*Representative Same as for Class 43.  
\* Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

(4) Heat Shock, same as for Type T wire but at 136°C.  
(4) Deformation, same as for Type T wire.  
(4) Cold Bend, same as for Type T wire.

---

\*Marking General.

---

Use Internal Wiring of Appliances where exposed  
to temperatures not exceeding 105°C; or Internal  
Wiring of Appliances where exposed to temperatures  
not exceeding 105°C or where exposed to oil at  
temperatures not exceeding (60°C or 80°C, whichever  
is applicable).

Style 1329                      Nominal 5/64 Inch wall Thermoplastic (PVC) - Insulated  
Wire For Internal Wiring of Room Cooler Units.

---

Rating                              105°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

\*Conductor                        No. 14-10 AWG, tinned or bare.

---

Insulation                        Nominal 5/64 Inch wall Thermoplastic (PVC) Type TW  
Bulletin compoud also suitable for use at 105°C in  
air or 60°C in oil, or AWM Bulletin Compound if  
marked for use at 105°C in air and 80°C in oil.

---

Covering                            None.

---

\*Standard                         Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation,  
\*Representative                    same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as Type TW.  
\*                                        Insulation Resistance at 60°C.

---

UL                                    (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation.  
Program                              \*

\*                                        (4) Heat Shock.  
\*                                        (4) Deformation.  
\*                                        (4) Cold Bend.  
\*                                        (4) Horizontal Flame Test.  
    (4) Mechanical Water Absorption at 70°C.  
    (4) Specific Inductive Capacity at 30°C.

---

\*Marking                            General.

---

Use                                    Internal Wiring of Electric Refrigerating Equipment  
or Room Air Conditioners or Room Cooler Units or  
Internal Wiring of Remote Outdoor Condensing Units  
for Domestic Cooling Systems where exposed to  
temperatures not exceeding 105°C, or where exposed  
to oil at at temperature not exceeding (60°C or 80°C)  
whichever is applicable. Moisture Resistant 60°C.

Style 1330 Extruded Fluorinated Ethylene Propylene Insulated Wire.

Rating 200 deg. C, 600 V.

\*Conductor Nos. 30-4/0 AWG, solid or stranded, Sec. 5.

Insulation Extruded fluorinated ethylene propylene

	Conductor Size AWG	Insulation Thickness in Mils	
		Minimum Average	Minimum at Any Point
	30 - 10	20	18
*	9 - 2	30	27
	1 - 4/0	45	40

Covering (Optional) - FEP, 10 mils or heavier or glass braid  
7 mils or heavier.

Standard Appliance Wiring Material UL 758.

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
before aging.  
Flexing.  
Spark Test.

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock, except at 250 deg. C.  
(4) Cold Bend.

Marking General.

Use Internal Wiring of Appliances.  
In addition, the tag may also indicate the  
following: Suitable for immersion in gasoline;  
gasoline vapor; and 80 deg. C in oil.



UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock, except at 250°C.  
\* (4) Cold Bend.

---

\*Marking General.

---

Use Internal Wiring of Appliances.  
In addition, the tag may also indicate the following: Suitable for immersion in gasoline; gasoline vapor; and 80°C in oil. Wires employing Litz conductors shall be plainly marked on the tag or reel as follows: "Litz conductors are manufactured using solderable magnet wire".

Style 1332            Extruded Fluorinated Ethylene Propylene  
                         Insulated Wire.

---

Rating                200 deg. C, 300 V.

---

\*Conductor            No. 30-10 AWG, solid or stranded.

---

Insulation            13 mils min average, 12 mils min at any point.  
                         Wall of extruded fluorinated ethylene propylene.

---

Covering              (Optional) - FEP, 2 mils or heavier or glass  
                         braid 7 mils or heavier.

---

Standard              Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Physical Properties, unaged.  
Representative        Spark Test.

---

UL                      (4) Detailed Examination.  
Counter-Check        (4) Physical Properties, unaged.  
Program                (4) Heat Shock.  
                         (4) Cold Bend.

---

Marking                General.

---

Use                     Internal wiring of appliances. In addition, the  
tag may also indicate the following: Suitable  
for immersion in gasoline; gasoline vapor;  
80 deg. C in oil; and or 600 volts peak for  
electronic use only.

Style 1333 Extruded Fluorinated Ethylene Propylene Insulated Wire.

---

Rating 150 deg. C, 300 V.

---

\*Conductor No. 30-10 AWG, solid or stranded, or Litz cable magnet wire, as described below.  
Litz cable conductor consists of single strand magnet wire, R/C (OBMW2) magnet wire rated a min of 150 deg. C. Each single magnet wire strand is cabled together with the other magnet wire strands to form a conductor. AWG size to be determined by the DC Resistance Test per UL 1581.

---

Insulation 13 Mils min average, 12 mils min at any point wall of extruded fluorinated ethylene propylene.

---

Covering (Optional) - FEP, 10 mils or heavier or glass braid 7 mils or heavier.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, before aging.  
\* Flexing.  
\* Spark Test, 4,000 V.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock, except at 250 deg. C.  
\* (4) Cold Bend.

---

\*Marking General.

---

(Continued on Page 1333A)

Use

Internal wiring of Appliances. In addition, the tag may also indicate the following:  
Suitable for immersion in gasoline; gasoline vapor; 80 C in oil; and or 600 Volts Peak for electronic use only. Wires employing Litz conductors shall be plainly marked on the tag or reel as follows:  
"Litz conductors are manufactured using solderable magnet wire".



Style 1334            Nominal 50 Mil Thermoplastic (Polyethylene) Insulation  
Lacquered Rayon Braid, Copper Braid Shield and Nominal  
1/32 In. PVC Jacket.

---

Rating                60°C, 600 Volts.

---

Conductor            No. 26-16 AWG. Solid or stranded copper wire with No. 30 AWG  
\*                      or smaller strands, tinned or bare.

---

Insulation            Nominal 50-mil wall of Polyethylene.

---

Covering              Lacquered Rayon Braid.

---

Shielding            Over Rayon Braid, consisting of No. 36-30 AWG copper applied  
as a wrap or braid.

---

Jacket                Nominal 1/32 Inch wall of Thermoplastic (PVC), Class 43.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same as for  
\*Representative      Class 43.  
                         Tensile Strength and Elongation of Jacket, same as for  
\*                      Class 43.  
\*                      Spark Test.  
                         26-24                      4000 V  
                         22-20                      5000 V  
                         18-16                      6000 V

---

UL                    (4) Detailed Examination.  
\*Counter-Check      (4) Insulation.  
Program              (4) Jacket, Physical Properties, Class 43.  
\*                      (4) Flexibility.  
\*                      (4) Cold Bend.  
\*                      (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    Internal Wiring of Electronic Equipment.

Style 1335 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 volts.

---

Conductor Nos. 26-10 AWG, solid or stranded.

---

Insulation 30 mils min. avg., 27 mils min. at any point wall thermoplastic (PVC) Type TW, Recognized Component QMTT2, also suitable for use at 90°C in air, 60°C in oil.

---

Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Physical Properties.  
Dielectric Strength, same as for Type TW including Optional Spark Testing.  
Insulation Resistance: (Per UL1063)  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Progr (4) Detailed Examination.  
(4) Physical Properties.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Specific Inductive Capacity, same as for Type TW Wire.  
(4) Horizontal Flame Test.

---

Marking General.

---

Use Internal Wiring of Appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C. Tag may also indicate the following: 2500 volts peak for electronic use only.

Style 1336 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 volts.

---

\*Conductor No. 8 AWG, solid or stranded, bare or tinned copper.

---

Insulation 45 mils min. avg., 41 mils min. at any point wall thermoplastic (PVC) Type TW bulletin compound also suitable for use at 90°C in air, 60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination. Tensile Strength and Elongation of Insulation. Dielectric Strength, same as for Type TW including Optional Spark Testing. Insulation Resistance:  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Mechanical Water Absorption, same as for Type TW Wire.  
(4) Specific Inductive Capacity, same as for Type TW Wire.  
(4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1337 Thermoplastic - Insulated Wire

---

Rating 90°C in dry locations, 60°C where exposed to  
moisture or oil; 600 volts

---

\*Conductor Nos. 6-2, solid or stranded, tinned or bare copper.

---

Insulation 60 mils min. avg., 54 mils min. at any point  
wall thermoplastic (PVC) Type TW bulletin compound  
also suitable for use at 90°C in air, 60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength, same as for  
Type TW including Optional Spark Testing.  
Insulation Resistance:  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Mechanical Water Absorption, same as for  
Type TW Wire.  
(4) Specific Inductive Capacity, same as for  
Type TW Wire.  
(4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring  
of appliances where exposed to oil, at a temperature  
not exceeding 60°C. Moisture rating 60°C.

Style 1338 Thermoplastic - Insulated Wire

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 volts

---

\*Conductor Nos. 1-4/0, solid or stranded, tinned or bare copper.

---

Insulation 78 mils min. avg., 70 mils min. at any point wall thermoplastic (PVC) Type TW bulletin compound also suitable for use at 90°C in air, 60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength, same as for Type TW including Optional Spark Testing.  
Insulation Resistance:  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Mechanical Water Absorption, same as for Type TW Wire.  
(4) Specific Inductive Capacity, same as for Type TW Wire.  
(4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1339 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 volts.

---

\*Conductor Nos. 213-500 MCM, solid or stranded, tinned or bare copper.

---

Insulation 94 mils min. avg., 85 mils min. at any point wall thermoplastic (PVC) Type TW bulletin compound also suitable for use at 90°C in air, 60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength, same as for Type TW including Optional Spark Testing.  
Insulation Resistance:  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Mechanical Water Absorption, same as for Type TW Wire.  
(4) Specific Inductive Capacity, same as for Type TW Wire.  
(4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1340 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 volts.

---

Conductor \* Nos. 501-1000 MCM, solid or stranded, tinned or bare copper.

---

Insulation 109 mils min. avg., 98 mils min. at any point wall thermoplastic (PVC) Type TW bulletin compound also suitable for use at 90°C in air, 60°C in oil.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength, same as for Type TW including Optional Spark Testing.  
Insulation Resistance:  
(a) Tank Test at room temperature.  
(b) Once a month, Tank Test at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Mechanical Water Absorption, same as for Type TW Wire.  
(4) Specific Inductive Capacity, same as for Type TW Wire.  
(4) Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1341            Nominal 1/32-Inch Thermoplastic (PVC) - Insulated  
Shielded Wire with 1/32-Inch Jacket.

---

Rating                80°C, 600 Volts.

---

\*Conductor            No. 14-9 AWG. solid or stranded, tinned or bare.

---

Insulation            Nominal 1/32-Inch wall of Thermoplastic (PVC).  
Compound suitable for use at 80°C.

---

Shielding             Shielding over conductor insulation shall consist  
of No. 36-30 AWG. tinned or untinned copper strands  
applied as a wrap or braid.

---

Jacket                 Over the shielding a nominal 1/32-Inch Thermoplastic  
(PVC) jacket of compound suitable for use at 80°C.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation and  
\*Representative        Jacket, same as for Class 43.  
\*                         Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check         (4) Tensile Strength and Elongation of Insulation and  
\*Program                Jacket.  
\*                         (4) Heat Shock.  
                          (4) Deformation, Class 43.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Phonograph Pick-Up and Volume Control; or in the  
Internal Wiring of Appliances at temperatures not  
exceeding 80°C.



Style 1342            Nominal 5/64 In. Thermoplastic (PVC) - Insulated Wire.  
For Internal Wiring of Room Cooler Units.

---

Rating                105°C, 600 Volts; Moisture Resistant, 75°C, 600 V.

---

Conductor            No. 14-10 AWG consisting of No. 30 AWG or smaller  
\*                      stranded copper, tinned or bare.

---

Insulation            Nominal 5/64 In. wall Thermoplastic (PVC) Type THW  
Bulletin Compound also suitable for use at 105°C  
in air or 60°C in oil, or AWM Bulletin compound if  
marked for use at 105°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative     same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as Type THW.  
\*                      Insulation resistance at 75°C.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of  
\*Program              Insulation.  
\*                      (4) Heat Shock.  
\*                      (4) Deformation.  
                          (4) Cold Bend.  
                          (4) Flame Test, same as for Type THW.  
                          (4) Mechanical Water Absorption at 82°C.  
                          (4) Specific Inductive Capacity at 75°C.

---

\*Marking              General.

---

Use                    Internal Wiring of Electric Refrigerating  
Equipment or Room Air Conditioners or Room Cooler  
Units or Internal Wiring of Remote Outdoor  
Condensing Units for Domestic Cooling Systems  
where exposed to temperatures not exceeding 105°C,  
or where exposed to oil at a temperature not  
exceeding (60°C or 80°C) whichever is applicable.  
Moisture Resistant 75°C.

Style 1343	Nominal 4/64 Inch Thermoplastic (PVC) - Insulated Wire For Internal Wiring of Room Cooler Units.
Rating	105°C, 600 Volts; Moisture Resistant, 75°C, 600 Volts.
Conductor *	No. 18-10 AWG consisting of No. 30 AWG or smaller stranded copper.
Insulation	Nominal 4/64 Inch wall Thermoplastic (PVC) Type THW Bulletin Compound also suitable for use at 105°C in air or 60°C in oil, or AWM Bulletin compound if marked for use at 105°C in air and 80°C in oil.
Covering	None.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative  *	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Dielectric Strength and Insulation Resistance Tests same as Type THW. Insulation Resistance at 75°C.
UL Counter-Check Program * * *	(4) Detailed Examination. (4) Tensile Strength and Elongation of Insulation. * (4) Heat Shock. (4) Deformation. (4) Cold Bend. (4) Flame Test, same as for Type THW. (4) Mechanical Water Absorption at 82°C. (4) Specific Inductive Capacity at 75°C.
*Marking	General.
Use	Internal Wiring of Electric Refrigerating Equipment or Air Conditioning Equipment at temperatures not exceeding 105°C; or ditto where exposed to oil at temperatures not exceeding (60°C or 80°C) whichever is applicable; Moisture Resistant, 75°C.



Style 1345                      Nominal 1/32 In. Thermoplastic (PVC) - Insulated Wire  
For Appliances Hook-Up Use

---

Rating                              105°C, 600 Volts; Moisture Resistant, 75°C, 600 V

---

Conductor                        26-16 AWG  
14-9 AWG  
Solid or stranded, tinned or bare copper.

---

Insulation                        Nominal 1/32 In. wall Thermoplastic (PVC)  
Type THW Bulletin Compounds also suitable for  
use at 105°C in air or 60°C in oil, or AWM Bulletin  
compounds if marked for use at 105°C in air and 80°C in oil.

---

Covering                          None

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions to UL              Detailed Examination.  
\*Representative                Tensile Strength and Elongation of Insulation, same  
as for Class 43.  
Dielectric Strength and Insulation Resistance Tests  
same as Type THW.

\*                                    (12) Insulation Resistance at 75°C.

---

UL Counter-Check Program      (4) Detailed Examination.  
    (4) Tensile Strength and Elongation of Insulation.  
    \*  
\*                                        (4) Heat Shock.  
\*                                        (4) Deformation.  
\*                                        (4) Cold Bend.  
    (4) Flame Test, same as for Type THW.  
    (4) Mechanical Water Absorption at 82°C.  
    (4) Specific Inductive Capacity at 75°C.

---

\*Marking                         General.

---

Use                                 Internal Wiring of Appliances where exposed to  
temperatures not exceeding 105°C, or where exposed to  
oil at a temperature not exceeding (60°C or 80°C whichever  
is applicable); Moisture Resistant, 75°C.

Style 1346            Nominal 1/16 In. Thermoplastic (PVC) - Insulated  
Wire For Appliances Hook-Up Use.

---

Rating                105°C, 600 Volts; Moisture Resistant, 75°C, 600 V.

---

Conductor            8-2 AWG Solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/16 In. wall Thermoplastic (PVC) Type THW Bulletin  
ompounds also suitable for use at 105°C in air or 60°C in  
oil, or AWM Bulletin compounds if marked for use at 105°C  
in air and 80°C in oil.

---

Covering             None

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same  
\*Representative    as for Class 43.

Dielectric Strength and Insulation Resistance Tests  
same as Type THW.

\*                    (12) Insulation Resistance at 75°C.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation, Program  
Program                \*

\*                    (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend.  
                      (4) Flame Test, same as for Type THW.  
                      (4) Mechanical Water Absorption at 82°C.  
                      (4) Specific Inductive Capacity at 75°C.

---

\*Marking            General.

---

Use                   Internal Wiring of Appliances where exposed to temperatures  
not exceeding 105°C, or where exposed to oil at a  
temperature not exceeding (60°C or 80°C whichever is  
applicable); Moisture Resistant, 75°C.

Style 1347            Nominal 1/64-Inch Thermoplastic (PVC) Insulation,  
                         A Nominal 1/64-Inch Thermoplastic (PVC) Jacket.

---

Rating                80°C, 300 V.

---

\*Conductor            No. 26-16 AWG stranded or solid, tinned or bare copper.

---

Insulation            16 mils min. ave., 13 mils min. at any point, wall  
                         of thermoplastic (PVC) rated 80°C.

---

Shielding             Conductive thermoplastic, aluminum-faced "Mylar",  
                         copper braid or wrap, or equivalent; optional  
                         uninsulated drain wire.

---

Jacket                 Over the shielding 16 mils min. avg., 13 mils min.  
                         at any point, thermoplastic (PVC) shall be applied,  
                         rated 80°C.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation and  
\*Representative        Jacket same as for Class 43.  
\*                         Spark Test, 3000 Volts.

---

UL                      (4) Detailed Examination.  
Counter-Check         (4) Tensile Strength and Elongation of Insulation  
\*Program                and Jacket.  
\*                         (4) Heat Shock.  
\*                         (4) Cold Bend.  
\*                         (4) Horizontal Flame Test.  
\*                         (4) Deformation.

---

\*Marking              General.

---

Use                     In electronic equipment where exposed to temperatures  
                         not exceeding 80°C.

Style 1348 Thermoplastic (PVC) Insulated, Conductive Thermoplastic (PVC) Shielded, and Thermoplastic (PVC) Jacketed Wire.

---

Rating 60°C, 300 volts.

---

\*Conductor No. 26-16 AWG. stranded, tinned or bare copper.

---

Insulation 16 mils minimum average, 13 mils min. at any point, wall of Polyethylene or non-flame retardant Polyethylene.

---

Shielding A black colored conductive thermoplastic material 7 mils minimum average, 6 mils minimum at any point, wall, in conjunction with a 26, 24 or 22 AWG. stranded or solid, tinned or bare copper bonding conductor.

---

Jacket Over the shielding 16 mils minimum average, 13 mils min. at any point Thermoplastic (PVC) jacket shall be applied. (Class 43). The color of the jacket shall be other than black.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
 \*Representative Detailed Examination.  
 Tensile Strength and Elongation of Insulation, before aging for Polyethylene and for Flame Retardant Polyethylene.  
 Tensile Strength and Elongation of Jacket, same as for Class 43.  
 \* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
 \*Counter-Check (4) Insulation, for Polyethylene and for  
 Program (4) Flame-retardant Polyethylene Jacket, Class 43.  
 \* (4) Flexibility.  
 \* (4) Cold Bend.  
 \* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to temperature not exceeding 60°C.

Style 1349 Nominal 1/64-Inch Thermoplastic (PVC) Insulation, and  
a Nominal 1/32-Inch Thermoplastic (PVC) Jacket.

---

Rating 80°C, 300 Volts.

---

\*Conductor No. 26-16 AWG stranded or solid, tinned or bare copper.

---

Insulation 16 mils min. avg. 13 mils min. at any point, wall  
of thermoplastic (PVC) rated 80°C.

---

Shielding A conductive thermoplastic, aluminum-faced "Mylar,"  
copper braid or wrap, or equivalent; optional  
uninsulated drain wire.

---

Jacket Over the shielding 31 mils min. avg., 28 mils min.  
at any point, thermoplastic (PVC) shall be applied,  
rated 80°C.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation and  
\* Jacket same as for Class 43.  
\* Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation  
\*Program and Jacket.  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Deformation.

---

\*Marking General.

---

Use In electronic equipment where exposed to temperatures  
not exceeding 80°C.





Style 1351 Polyvinylidene Fluoride Resin Insulated Wire.

---

Rating 80°C, no voltage rating.

---

\*Conductor No. 30-16 AWG.

---

Insulation 10 mils min. avg., 8 mils min. at any point wall of polyvinylidene fluoride resin.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except using mandrel two times diameter of wire.  
\*Representative Spark Test, 2000 Volts.  
Tensile Strength and Elongation, as received, (4500 psi and 100% elongation minimum acceptable values).

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air-oven at 87°C after which samples shall be flexed except using mandrel two times diameter of wire.  
\*Program (4) Tensile Strength and Elongation, same as above.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Electronic Equipment.

Style 1352            Nominal 50 - Mil Thermoplastic (Polyethylene) Insulation  
Lacquered Rayon Braid, Copper Braid with no  
Outer Covering.

---

Rating                60°C, 600 Volts.

---

Conductor            No. 26-16 AWG. Solid or stranded copper wire with  
\*                      No. 30 AWG or smaller strands, tinned or bare.

---

Insulation            Nominal 50 - Mil wall of Polyethylene.

---

Covering              Lacquered Rayon Braid.

---

Shielding             Over Rayon Braid, consisting of No. 36-30 AWG copper  
applied as a wrap or braid.

---

Outer Covering        None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
                            Tensile Strength and Elongation of Jacket, same  
\*                            as for Class 43.  
\*                            Spark Test.  
                            26-24                    4000 V  
                            22-20                    5000 V  
                            18-16                    6000 V

---

UL                      (4) Detailed Examination.  
\*Counter-Check        (4) Insulation.  
\*Program                (4) Flexibility.  
\*                            (4) Cold Bend.  
\*                            (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Internal wiring of electronic equipment.

Style 1353            Nominal 0.025 Inch Thermoplastic (Polyethylene)  
                         Insulated Wire For Electronic Use.

---

Rating                60°C , 300 Volts.

---

\*Conductor            No. 26-16 AWG. solid or stranded, tinned or bare.

---

Insulation            Nominal 0.025 Inch (22 Mil Minimum) wall of Polyethylene.

---

Jacket                 Nominal 0.020 Inch (17 mil minimum) Thermoplastic  
                         (PVC) jacket. Class 43.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                   Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.  
                         Tensile Strength and Elongation of Jacket,  
\*                         same as for Class 43.  
\*                         Spark Test, 3000 Volts.

---

UL                     (4) Detailed Examination.  
\*Counter-Check        (4) Insulation.  
Program                (4) Jacket, Class 43.  
\*                        (4) Flexibility.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                    For Electronic use.

Style 1354 Coaxial Cable.

---

Rating 60°C or 80°C ,30 V.

---

Conductors No. 44 AWG min, material not specified.

---

Insulation 2 mils min at any point, 125 mils max, Solid or Cellular PE, FRPE, Polypropylene, PFA, FEP, ECTFE, PTFE, ETFE or combination thereof with or without irradiation. The insulation may be tape wrapped solid or cellular PTFE applied directly over the conductor or applied as a spiral wrapped Polyethylene thread (5 mils min, 40 mils max) and enclosed with "tubed on" insulation.

---

Covering Optional - Extruded PVC Polyethylene or Irradiated Polyethylene, or PFA, or Polyester film. Thicknesses not specified.

---

\*Shield Optional.

---

Covering Optional - Extruded PVC, or PFA or heat sealed PVC tape, Polyamide Polyester, Kynar, FEP or PTFE, ECTFE, Tefzel, or lacquered braids, or tape wrapped PTFE Polyester film or Polyester-Polyethylene laminated film. Thicknesses not specified.

---

\*Outer Shield Optional.

---

Outer Covering Optional (required if outer shield is provided) - Extruded PVC, or PFA, or heat sealed PVC tape, Polyamide, Polyester, Kynar, FEP, PTFE, ECTFE, Tefzel irradiated PE, irradiated PVC Polyurethane, or lacquered braid, thicknesses not specified.

---

\*Standard Appliance Wiring Material UL 758.

---

(Continued on Page 1354A)

Instructions           Detailed Examination.  
to UL  
Representative

---

UL                   (4) Detailed Examination.  
\*Counter-Check      (4) Horizontal Flame Test.  
Program

---

\*Marking            General.

---

Use                  Internal Wiring of Class 2 Circuits of Electronic Equipment  
or as insulated single in jacketed multiconductor cables.

---







Style 1355            5.5 mil wall extruded FEP insulated wire with polyimide covering.

---

Rating                200°C, no voltage rating.

---

Conductor            No. 32-20 AWG solid or stranded silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy or silver plated cadmium bronze copper alloy.

---

Insulation            Nominal 5.5 mil extruded fluoroethylene propylene 5 mil minimum.

---

Covering             Approximately 1/2 mil DuPont's "Pyre ML" a polyimide material.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Flexing, except use mandrel two times diameter of wire.  
\*Representative      Spark test, 2000 volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Age 60 days in air oven at 210°C after which samples shall be flexed except using mandrel two times diameter of wire, the insulation shall not crack.  
\*Program  
\*                      (4) Heat Shock, except at 250°C.  
\*                      (4) Cold Bend, using a 1/16 in. diameter mandrel.  
\*                      (4) Horizontal Flame test.

---

\*Marking             General.

---

Use                    In appliances where exposed to temperatures not exceeding 200°C, and where exposed to oil at a temperature not exceeding 60°C.

Style 1356            Shielded Single Conductor Cable having a 75 ohm Impedance.

---

Rating                60°C, 300 Volts.

---

Conductor            No. 27 AWG, 7/0.0056 Copper-Clad Steel.

---

Insulation            Nominal 3/64 inch wall polyethylene.

---

Shield                Shielding over insulated conductor shall consist of No. 38 AWG tinned copper braid.

---

Jacket                Nominal 1/64 inch wall of thermoplastic (Class 43).

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative      Detailed Examination.  
                         Tensile Strength and Elongation of Insulation,  
                         same as for Class 43. Tensile Strength  
                         and Elongation of Jacket, same as for Class 43.  
\*                        Spark Test, 3000 Volts.

---

UL Counter-Check Program  
\*                        (4) Detailed Examination.  
                         (4) Aging, Class 43, Jacket only.  
                         (4) Heat shock, Class 43, Jacket only.  
                         (4) Deformation, Class 43, Jacket only.  
                         (4) Cold Bend, Class 43, but at -10°C.  
                         (4) Horizontal Flame test.

---

\*Marking             General.

---

Use                    Internal Wiring of Electronic Computers.

Style 1357                      Nominal 6/64 Inch Polyethylene Insulated HV Cable.

---

Rating                              60°C, 40 KV-DC.

---

Conductor                          No. 24-10 AWG. solid or stranded, tinned or bare copper.

---

Integral Insulation              Nominal 6/64 Inch integral wall of flame retardant Polyethylene insulation average 86 Mils minimum, 81 Mil minimum at any point.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
 \*to UL                                Tests.  
 Representative

---

UL                                      (4) Detailed Examination  
 \*Counter-Check Program        (4) Test.

---

\*Marking                            General.

---

Use                                    For Use Within Electronic Equipment.

Style 1358	Thermoplastic(PVC) - Insulated Resistance Wire.
Rating	90°C, 600 Volts; Moisture Resistant, 75°C, 600 Volts.
Conductor	Resistance wire wound on a fiberglass, polyester or other suitable core materials.
Insulation	Nominal 3/64 inch wall thermoplastic (PVC). Type THW or THWN Bulletin Compound, also suitable for use at 90°C in air.
Covering	10 mils minimum average, 8 mil minimum at any point polypropylene, or 5 mils minimum average, 4 mils minimum at any point, Fosta Nylon 870, Jacket.
Braid	Open weave of bare copper applied overall.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL Representative	Detailed Examination. Tensile Strength and Elongation of Insulation, per Type THW or THWN (whichever is applicable). Dielectric Strength Test. Spark Test, 7500 Volts.
*	(12) Insulation Resistance at 75°C, Section G (Two 500 Ft. coils at one time): This test can be conducted on samples with or without the open weave copper braid.
UL Counter-Check Program	(4) Detailed Examination (4) Tensile Strength and Elongation of Insulation. (4) Heat Shock. (4) Cold Bend. (4) Deformation. (4) Flame Test. (4) Insulation Resistance. (0.10 megohms - 1000 ft.) (4) Specific Inductive Capacity at 75°C per Type THW or THWN. (4) Mechanical Water Absorption at 82°C per Type THW or THWN.
*Marking	General.
Use	"Thermoplastic Insulated Resistance wire for Heating Cable Units; moisture resistant 75°C." The conductor alloy designation shall be included in ohms per foot rating (optional marking).

Style 1359 Thermoplastic (PVC) - Insulated Wire for Use  
in Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor One (1) mil diameter resistance wire wound for a minimum  
of 25 turns per inch on a Rayon, Cotton, Fortisan,  
Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 1/32 - Inch Wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination  
Representative Tensile Strength and Elongation of Insulation,  
\* Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeating flexing in use.

Style 1360 Thermoplastic (PVC) - Insulated wire for use  
in Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor One (1) mil diameter resistance wire wound for a minimum  
of 25 turns per inch on a Rayon, Cotton, Fortisan,  
Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 1/32 Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon with 2 Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Tensile Strength and Elongation of Insulation,  
\* Class 43.  
\* Spark Test, 6000 Volts.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where  
not subjected to repeating flexing in use.

Style 1361 Thermoplastic (PVC) - Insulated Wire For Use in Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor One (1) mil diameter resistance wire wound for a minimum of 25 turns per inch on a Rayon, Cotton, Fortisan, Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 3/64 Inch wall of Thermoplastic (PVC) Compound suitable for use at 105°C.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
\*Representative Tensile Strength and Elongation of Insulation, Class 43.  
Spark Test, 6000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not subjected to repeating flexing in use.

Style 1362 Thermoplastic (PVC) - Insulated Wire for use  
in Refrigerator Mullion Heating.

---

Rating 105°C, 300 Volts.

---

Conductor One (1) mil diameter resistance wire wound or a minimum  
of 25 turns per inch on a Rayon Cotton, Fortisan,  
Fiberglas, Dacron, or Cordura yarn core.

---

Insulation Nominal 3/64 Inch wall of Thermoplastic (PVC)  
compound suitable for use at 105°C.

---

Covering Extruded Zytel 33 nylon with 2 - Mill minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Class 43.  
Spark Test, 6000 Volts.

---

UL Counter-Check Program \* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use For Refrigerator Mullion Heating where not  
subjected to repeating flexing in use.



Style 1363                      Nominal 5/64-Inch Polyethylene Insulated and Jacketed HV Cable.

---

Rating                              60°C, 30 KV-DC.

---

Conductor                          No. 24-10 AWG solid or stranded tinned or bare copper.

---

Integral Insulation and Jacket                      Nominal 5/64-Inch integral wall of Insulation and Jacket of Flame-Retardant Polyethylene, average 78 Mils minimum, 70 Mils minimum at any point.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instruction                          Detailed Examination.  
 \*to UL                                  Tests.  
 Representative

---

UL                                      (4) Detailed Examination.  
 \*Counter-Check                      (4) Tests.  
 Program

---

\*Marking                              General.

---

Use                                      For Use Within Electronic Equipment.

Style 1364 CTFE or modified CTFE insulated wire.

---

Rating 105°C, no voltage rating.

---

Conductor 32-20 AWG, solid or stranded, bare, tin, silver, or  
\* nickel coated copper conductor.

---

\*Insulation CTFE (polychlorotrifluoroethylene) or modified CTFE  
5.5 mil minimum average, 5 mil minimum at any point.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except use mandrel two times diameter of wire.  
\*Representative Spark test, 2000 volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 7 days in air oven at 136°C after which  
\*Program samples shall be flexed, except using mandrel  
two times diameter of wire, the insulation shall  
not crack.  
\* (4) Heat Shock, except at 136°C.  
\* (4) Cold Bend using a 1/16 in. diameter mandrel.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel wiring of electronic computers  
and business machines where exposed to temperatures  
not exceeding 105°C.

Style 1365            Polyethylene Insulated PVC Jacketed Cable.

---

Rating                60°C, 300 Volts.

---

Conductor            30-16 AWG solid or stranded, tinned or bare,  
\*                      copper or copper alloy.

---

Insulation            PE or FRPE: 23 mils minimum average.  
                         20 mils minimum at any point.

---

Covering              PVC, Polyamide, or Polyester, 2 mil minimum,  
\*(Optional)           or lacquered braid.

---

\*Shielding            Optional.

---

Jacket                PVC: Class 43. 15 mils minimum average 12 mils min  
                         at any point.

---

\*Shield                Optional.

---

Jacket                Optional PVC, Class 11, 15 mils min avg.,  
                         12 mils min at any point.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Physical Properties: Insulation.  
\*Representative      Jacket.  
\*                      Spark Test, 3000 Volts.

---

UL                    (4) Detailed Examination.  
\*Counter-Check      (4) Physical Properties: Insulation,  
\*Program              Jacket.  
\*                      (4) Flexibility.  
\*                      (4) Cold Bend.  
\*                      (4) Horizontal Flame Test.

---

(Continued on Page 1365A)

UNDERWRITERS LABORATORIES INC.  
Subject 758            Section 1            Page 1365A

APPLIANCE WIRING MATERIAL  
Issued: Oct. 22, 1964  
New: Oct. 6, 1981

\*Marking            General.

---

Use                    Internal Wiring of Electronic Equipment.

Style 1366            Nominal 3/64-Inch Thermoplastic (PVC) -  
                         Insulated Wire For Appliances Hook-Up Use.

---

Rating                90°C, 600 Volts.

---

Conductor            26-16 AWG.  
                         14-9 AWG.  
\*                      Solid or stranded, tinned or bare copper.

---

Insulation            Nominal 3/64 in. total wall Thermoplastic  
                         (PVC). Insulation formed in two layers:  
                         Inner layer .028 in. nominal, .025 in. min;  
                         outer layer .012 in. nominal, .010 in. min.

                         Compounds suitable for use at 90°C in air or  
                         60°C in oil, or Bulletin compounds if marked  
                         for use at 90°C in air and 80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation,  
\*Representative    same as for Class 43.  
\*                      Spark Test.

---

UL                    (4) Detailed Examination.  
Counter-Check      (4) Tensile Strength and Elongation of  
\*Program            Insulation.  
\*                      (4) Heat Shock.  
\*                      (4) Deformation.  
\*                      (4) Cold Bend.  
\*                      (4) Horizontal Flame Test.

---

\*Marking            General.

---

Use                   Internal Wiring of Appliances where exposed  
                         to temperatures not exceeding 90°C, or where  
                         exposed to oil at a temperature not exceeding  
                         (60°C or 80°C, whichever is applicable).  
                         Tags may indicate the following: 2500 Volts  
                         Peak - For Electronic Use Only.

Style 1367 Thermoplastic (PVC) - Insulated Heater Wire For  
Use In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper cadmium alloy ("Hitenso") wire shall be  
(for twin design) 5 mils dia. and wrapped spirally  
for approx. 25 turns per inch or (for double design)  
3.9 mils dia. with approx. 31 turns per inch over a  
polyester tire core 1100 denier.

---

Insulation Average thickness 20 mils (18 mils minimum at any  
point) Thermoplastic (PVC), Geon 8825 (TCF Column IV).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, Class 43.  
Representative \*  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1368 Thermoplastic (PVC) - Insulated Heater Wire For  
Use In Electrically Heated Blankets.

---

Rating 75°C, 125 Volts.

---

Conductor A copper cadmium alloy ("Hitenso") wire shall be  
(for twin design) 6.3 mils dia. or (for double  
design) 4.5 mils dia. and wrapped spirally for  
approx. 39 turns per inch on a "Fortisan" or 2200  
Denier rayon yarn core.

---

Insulation Average thickness 20 mils (18 mils minimum at any  
point) Thermoplastic (PVC), Geon 8825 (TCF Column IV).

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation, Class 43.  
Representative \*  
\* Spark Test, 6000 Volts.  
Insulation Resistance shall be not less than  
1 megohm - 1000 feet using Column IV, Table 13 for  
temperature correction factors, UL 83.  
\* Dielectric Strength, 1500 Volts.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program same as for Class 43.  
\* (4) Horizontal Flame Test.  
(4) Heat Shock, Cold Bend (at minus 10°C) same as  
for Class 43, UL 62.

---

\*Marking General.

---

Use In Electrically Heated Blankets where exposed  
to temperatures not exceeding 75°C.

Style 1369 Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating 90°C, 250 Volts; Moisture Resistant, 60°C, 250 Volts.

---

Conductor Nickel, copper alloy, or copper. Size varies dependent upon wattage demand.

---

Insulation Nominal 3/64 in. wall Thermoplastic (PVC). Type TW Bulletin Compound, also suitable for use at 90°C in air.

---

Covering None.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation.  
\*Representative Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.  
(4) Mechanical Water Absorption at 70°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C; moisture resistant 60°C."



Style 1370	Polyethylene-Insulated and PVC-Jacketed H V Cable.
Rating	60°C, 10 KV-DC.
Conductor	No. 22-18 AWG solid or stranded, tinned or bare copper.
Insulation	Nominal 31 mil (minimum 27 mil) wall, polyethylene.
Jacket	Nominal 15 mil (minimum 13 mil) thermoplastic (PVC) compound.
*Standard	Appliance Wiring Material UL 758.
Instructions *to UL Representative	Detailed Examination. Tests.
UL *Counter-Check Program	(4) Detailed Examination. (4) Tests.
*Marking	General.
Use	Internal wiring of electronic equipment.

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Section 1

\*Page 1371

APPLIANCE WIRING MATERIAL  
Issued: Dec. 24, 1964  
Revised: June 13, 2001

Style 1371 Extruded TFE or FEP Insulated Wire.

---

Rating 105°C - Voltage not specified.

---

Conductor and Insulation Nos. 36-6 AWG solid or stranded, Extruded Tetrafluoroethylene or Fluorinated Ethylene

Propylene

AWG Size	Min. Avg. Wall	Min. at any Point
36-20	.0055 inch	.005 inch
19-16	.008 inch	.007 inch
15-10	.013 inch	.012 inch
9-6	.020 inch	.018 inch

---

Covering Optional - 1 or more layers at 3 mil min avg. of heavier of PTFE, FEP or PFA.

---

Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Spark Test  
32-20 AWG-2000 Volts 15-10 AWG-5000 Volts  
19-18 AWG-3000 Volts 9-6 AWG-7500 Volts  
16 AWG-4000 Volts  
Physical Properties, Unaged.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Heat Shock.  
(4) Cold Bend.  
(4) Horizontal Flame Test.  
(4) Physical Properties.

---

(Continued on 1371A)

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Subj. 758

Section 1

\*Page 1371A

APPLIANCE WIRING MATERIAL  
Issued: Dec. 24, 1980  
Revised: June 13, 2001

Marking

General.

---

Use

In back panel areas of electronic equipment, such as electronic computers and business machines, where not subjected to movement or mechanical damage.

Tag may also indicate the following: Suitable for immersion in gasoline; gasoline vapor; and 60 degrees C or 80 degrees C in oil.

Style 1372 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 6 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 28 mil (minimum 23 mil) wall, polyethylene.

---

Jacket Nominal 16 mil (minimum 13 mil) Thermoplastic  
(PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1373 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 10 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 40 mil (minimum 32 mil) wall, polyethylene.

---

Jacket Nominal 20 mil (minimum 16 mil) Thermoplastic (PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1374 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 40 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 130 mil (minimum 115 mil) wall, polyethylene.

---

Jacket Nominal 32 mil (minimum 25 mil) Thermoplastic (PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1375            Coaxial Cable.

---

Rating                60 + 80°C, 30 V.

---

Conductors            No. 36 AWG min material not specified.

---

Insulation            Solid or cellular P.E., F.R.P.E., FEP, PFA, PTFE  
or polypropylene. Wall thickness may range from  
min 0.007 in to 0.150 in max. May be irradiated.

---

Shield                Optional.

---

Inner  
\*Covering            Optional - extruded PVC, P.E., PFA, FEP, PTFE or  
polyamide, ETFE, polyester or PUR, approx 0.002 in  
thick or lacquered braid, or spiral wrap of min  
0.0006 in thick polyester tape applied with  
approx 50 percent overlap.

---

Shield                Optional.

---

Outer  
\*Covering            Optional - extruded PVC, P.E., FEP, PFA, PTFE or  
polyamide, ETFE, polyester or PUR, approx 0.002 in  
thick or spiral wrap of min 0.0006 in thick  
polyester tape applied with approx 50 percent over-  
lap, or lacquered braid.

---

Shield                Optional.

---

Standard              Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL  
Representative

---

(Cont'd on Page 1375A)

UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1375A

APPLIANCE WIRING MATERIAL  
Issued: Jan. 18, 1965  
Revised: Nov. 8, 2000

UL (4) Detailed Examination.  
\*Counter-Check (4) Horizontal Flame Test.  
Program

---

\*Marking General.

---

Use Internal Wiring of Class 2 Circuits in appliances,  
electronic equipment and electronic business machines.



Style 1376 Thermoplastic (PVC) - Insulated Resistance Wire  
for Heating Cable Units.

---

Rating 90°C, 250 Volts; Moisture Resistant, 60°C, 250 Volts.

---

Conductor Nickel, Copper Alloy or Copper, size varies- dependent  
upon wattage demand.

---

Insulation Nominal 1/32 inch wall thermoplastic (PVC). Type TW  
Bulletin Compound, also suitable for use at 90°C in air.

---

Shield Copper braid consisting of bare copper. Combination  
of strand size and number of strands such that braid  
is equivalent to No. 18 AWG.

---

Jacket Over braid - nominal 20 mil, minimum 18 mil at any  
point, thermoplastic (PVC).

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation.

\*Representative Class 43.  
\* Dielectric Strength Test.  
\* Spark Test, 6000 Volts.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*

\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.  
(4) Mechanical Water Absorption at 70°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating  
Cable Units where exposed to temperatures not exceed-  
ing 90°C; moisture resistant 60°C." The conductor  
alloy designation shall be included in Ohms per  
foot rating (optional marking).

Style 1377 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 20 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 67 mil (minimum 54 mil) wall, polyethylene.

---

Jacket Nominal 20 mil (minimum 16 mil.) Thermoplastic (PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1378 Polyethylene-Insulated and PVC-Jacketed HV Cable.

---

Rating 60°C, 30 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 110 mil (minimum 100 mil) wall, polyethylene.

---

Jacket Nominal 26 mil (minimum 21 mil) Thermoplastic  
(PVC) compound.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1379 F.R.P.E. - Insulated, shielded and PVC Jacketed Cable.

---

Rating 60° or 80°C, 150 Volts.

---

Conductor 20-29 AWG Copper, copper-clad steel, copper alloy,  
bare, tinned or silver-coated, having a minimum  
\* of 40 percent conductivity.

---

Insulation Over the conductor shall be applied a spiral  
wrap of PE or FRPE thread nominally 15 mils in dia.  
approximately 1/2 in. between turns. This  
assembly shall be enclosed with a flame-retardant  
polyethylene tube having an approximately 15 mil wall.

---

\*Shield Optional.

---

Jacket Class 43: PVC, 9 mils min, average, 8 mils min.  
at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Physical Properties; Jacket Class 43 (60°C)  
Representative Class 43 (80°C).  
\* Spark Test: 3000 Volts, between shield  
and electrode contacting jacket.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Physical Properties: Insulation.  
\*Program Jacket, Class 43 (60°C) - Class 43 (80°C).  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1380 F.R.P.E. - Insulated, Shielded and PVC Jacketed Cable.

---

Rating 60° or 80°C, 300 Volts.

---

Conductor No. 20-29 AWG copper, copper-clad steel, or copper alloy, bare, tinned or silver-coated, having a minimum 40 per cent conductivity.

---

Insulation Over the conductor shall be applied a spiral wrap of PE or FRPE thread nominally 25 mils in diameter, approximately 1/2 in. between turns. This assembly shall be enclosed with a flame-retardant polyethylene tube having an approx. 20 mil wall.

---

\*Shield Optional.

---

Jacket PVC, Class 43: 15 mils min average, 13 mils min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Physical Properties of Jacket, Class 43 (60°C) or Class 43 (80°C).  
Spark Test, 300 Volts, shall be applied between shielding and electrode contacting outer surface of Jacket.

---

UL Counter-Check Program  
\*  
\*  
\* (4) Detailed Examination.  
(4) Physical Properties of polyethylene tube.  
\*  
(4) Physical Properties of jacket, Class 43 (60°C) or Class 43 (80°C).  
(4) Cold Bend (applicable to jacket only).  
\*  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electronic Equipment.

Style 1381 P.E. Insulated, Shielded and (PVC) Jacketed Cable.

---

Rating 60°C or 80°C, 600 Volts.

---

Conductor 20-29 AWG copper, copper-clad steel, copper alloy  
bare, tinned or silver-coated, having a minimum 40  
\* percent conductivity.

---

Insulation Over the conductor shall be applied a spiral wrap  
polyethylene thread nominally 35 mils in diameter,  
approximately 1/2 in. between turns. This assembly  
shall be enclosed with a polyethylene tube having  
an approximately 25 mil wall.

---

\*Shield Appliance Wiring Material UL 758.

---

Jacket PVC, Class 43, 32 mils min avg., 28 mils min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Physical Properties of Jacket, Class 43 (60°C) or  
\*Representative Class 43 (80°C).  
\* Spark Test, 5000 volts, applied between shield and  
electrode contacting Jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene Tube.  
Program \*  
(4) Physical Properties of Jacket, Class 43 (rated  
\* 80°C), or Class 43 (60°C).  
\* (4) Cold Bend (Jacket only).  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1382 P,E. Insulated, Shielded and (PVC) Jacketed Cable.

---

Rating 80°C, 300 volts.

---

Conductor 20-29 AWG copper, copper-clad steel, copper alloy,  
bare, tinned or silver-coated, having a minimum 40  
\* per cent conductivity.

---

Insulation Over the conductor shall be applied a spiral wrap of  
polyethylene thread nominally 45 mils in diameter,  
approximately 1/2 in. between turns. This assembly  
shall be enclosed with a polyethylene tube having an  
approximately 40 mil wall.

---

\*Shielding Optional.

---

\*Jacket PVC, Class 43, 25 mils. min. average, 22 mils.  
min. at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Physical Properties of Jacket, Class 43.  
\*Representative Spark Test, 5000 volts, applied between shield  
and electrode contacting jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene tube.  
Program \*  
(4) Physical Properties of Jacket, Class 43 (rated  
\* 80°C).  
\* (4) Cold Bend (Jacket only).  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

\*Use Internal wiring of electronic equipment.





Style 1384 Thermoplastic (PVC) - Insulated Wire For Internal Wiring of Air Conditioning and Refrigeration Equipment.

---

Rating 105°C, 600 Volts; Moisture Resistance 60°C, 600 Volts.

---

\*Conductor 8 AWG-500 MCM stranded copper, tinned or bare.

---

Insulation Nominal 6/64 inch wall for size 8 Awg and 8/64 inch wall for sizes 6 AWG-500 MCM Thermoplastic (PVC) Type TW Bulletin. Compounds also suitable for use at 105°C in air or 60°C in oil.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation, same as for Class 43.  
Dielectric Strength and Insulation Resistance same as TW.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation.  
\*  
(4) Heat Shock, same as for Type TW wire, except at 136°C.  
(4) Deformation, same as for Type TW wire.  
(4) Cold Bend, same as for Type TW wire.  
(4) Flame Test, same as for Type TW wire.  
(4) Mechanical water absorption at 70°C.  
(4) Specific inductive capacity at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Electric Air Conditioning and Refrigerating Equipment where exposed to temperature not exceeding 105°C; or Internal Wiring of Electric Air Conditioning and Refrigerating Equipment where exposed to temperatures not exceeding 105°C, or where exposed to oil and/or moisture at a temperature not exceeding 60°C.

Style 1385           Irradiated Polyethylene - Irradiated "Kynar" (Polyvinylidene Fluoride Resin) Insulated Wire.

---

Rating               125°C, No voltage rating.

---

Conductor  
\*                    No. 28-16 AWG consisting of stranded tinned, silver plated or nickel plated copper.

---

Insulation           Nominal extruded 3 mil, minimum 2.5 mil wall irradiated polyethylene.

---

Covering             Nominal extruded 3 mil, minimum 2.5 mil wall irradiated polyvinylidene fluoride resin.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions          Detailed Examination.  
\*to UL                Flexing, except using Mandrel two times diameter of wire.  
\*Representative      Spark Test, 2000 volts.

---

UL                   (4) Detailed Examination.  
Counter-Check       (4) Age 60 days in air-oven at 136°C after which samples shall be flexed, except using Mandrel two times diameter of wire.  
\*Program  
\*                    (4) Heat Shock, except at 150°C.  
\*                    (4) Cold Bend.  
\*                    (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                   Internal wiring of electronic equipment.

Style 1386 Thermoplastic (PVC) - Insulated Wire.

---

Rating 80°C, 300 Volts.

---

Conductor 27-16 AWG. Braided conductor consisting of  
No. 40 - 30 AWG copper.

---

Insulation Thermoplastic (PVC) Compounds suitable for use at 80°C  
in air or 60°C in oil, or Bulletin compounds if marked for  
use at 80°C in air and 80°C in oil, min average thickness  
15 mils, min thickness at any point 13 mils.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
\* Spark Test, 3,000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.  
\* (4) Deformation.

---

\*Marking General.

---

Use Internal wiring of Appliances where exposed  
to temperatures not exceeding 80°C; or Internal  
wiring of Appliances where exposed to  
temperatures not exceeding 80°C or where exposed  
to oil at a temperature not exceeding (60°C or  
80°C, whichever is applicable).

Style 1387	Nominal 42 mil Thermoplastic (Polyethylene) Insulated and Shielded Wire With Nominal 1/32 Inch Thermoplastic (PVC) Jacket.
Rating	60°C, 300 volts.
*Conductor	No. 26-16 AWG. solid or stranded, tinned or bare.
Insulation	Nominal 42 mil (min. 38 mil) Polyethylene or Flame-Retardant Polyethylene.
Braid	(Optional) Rayon, over primary insulation.
Shielding	Shielding over conductor shall consist of No. 36-30 AWG. tinned or bare copper strands applied as a braid or wrap, or a wrap of aluminum faced "Mylar" tape with a parallel, uninsulated drain wire.
Jacket	Over the shielding a nominal 1/32 inch Class 43 thermoplastic (PVC) jacket shall be applied.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative	Detailed Examination. Tensile Strength and Elongation of Insulation, before aging, for Polyethylene, Flame-Retardant Polyethylene. Tensile Strength and Elongation of Jacket, same as for Class 43.
*	Spark Test, 3000 volts.
UL Counter-Check *Program	(4) Detailed Examination. (4) Physical Properties of Insulation, for Polyethylene and for Flame-Retardant Polyethylene.
*	(4) Physical Properties of Class 43 Jacket.
*	(4) Flexibility.
*	(4) Cold Bend.
*	(4) Horizontal Flame Test.
*Marking	General.
Use	In electronic equipment.

Style 1388 Polypropylene Insulated, Neoprene Jacketed Wire.

---

Rating 90°C, 1000 volts; 60°C exposed to oil.

---

\*Conductor No. 18-12 AWG, stranded copper.

---

Insulation Polypropylene, 10 mils nominal, 8 mils minimum thickness.

---

Covering Class 17, neoprene, 21 mils nominal, 19 mils minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative  
\*  
\*  
Detailed Examination.  
Physical Properties and flexing as received (See Facing Page).  
Dielectric Strength.  
Insulation Resistance (See Facing Page).  
Optional Spark Test.

---

UL Counter-Check Program  
Detailed Examination  
Physical Properties and flexing before and after aging (See Facing Page).

---

\*Marking General.

---

Use In appliances in dry locations, 90°C max., or, where exposed to oil, 60°C max.

Style 1389 Thermoplastic (PVC) - Insulated Wire.

---

Rating 90°C, 600 V; Moisture Resistant, 60°C, 600 V.

---

\*Conductor No. 20-8 AWG. solid or stranded copper.

---

Insulation PVC, Class 43, 45 mils min average, 40 mils min at any point. Type TW Bulletin Compounds also suitable for use at 90°C in air.

---

\*Standards Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of  
\*Representative Insulation, same as for Class 43.  
Dielectric Strength and Insulation Resistance  
Tests same as TW.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
\*Program (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) Flame Test. Same as for TW.  
(4) Mechanical Water Absorption at 70°C.  
(4) Specific Inductive Capacity at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Electric Refrigerating Equipment or Room Air Conditioners or Room Cooler Units;  
Internal Wiring of Electric Refrigerating Equipment or Room Air Conditioners or Room Cooler Units or Internal Wiring of Remote Outdoor Condensing Units for Domestic Cooling Systems where exposed to oil at a temperature not exceeding (60°C or 80°C, whichever is applicable.) - Moisture Resistant, 60°C.



Style 1391            Nominal 5/64-Inch Thermoplastic (PVC) - Insulated Wire For  
Internal Wiring of Room Cooler Units.

---

Rating                90°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.

---

Conductor            No. 18-2 AWG. Solid or stranded copper, tinned or bare.

\*

---

Insulation            Nominal 5/64-Inch Wall Thermoplastic (PVC) Type TW Bulletin  
Compounds also suitable for use at 90°C in air or 60°C in  
oil, or Bulletin Compounds if marked for use at 90°C in air  
and 80°C in oil.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                Tensile Strength and Elongation of Insulation, same as for  
\*Representative      Class 43.  
Dielectric Strength and Insulation Resistance Tests same  
as TW.

\*                    (12) Insulation Resistance at 60°C.

---

UL                    (4) Detailed Examination.  
\*Counter-Check      (4) Tensile Strength and Elongation of Insulation.  
\*Program            (4) Heat Shock.  
\*                    (4) Deformation.  
\*                    (4) Cold Bend.  
                      (4) Flame Test. Same as for TW.  
                      (4) Mechanical Water Absorption at 70°C.  
                      (4) Specific Inductive Capacity at 30°C.

---

\*Marking            General.

---

Use                    Internal Wiring of Electric Refrigerating Equipment or Room  
Air Conditioners or Room Cooler Units where exposed to  
temperature not exceeding 90°C; or Internal Wiring of  
Electric Refrigerating Equipment or Room Air Conditioners or  
Room Cooler Units or Internal Wiring of Remote Outdoor  
Condensing Units for Domestic Cooling Systems where exposed  
to temperatures not exceeding 90°C or where exposed to oil  
at a temperature not exceeding (60°C or 80°C whichever is  
applicable). Moisture Resistant, 60°C.



Style 1392                      Nominal 1/32-Inch Thermoplastic (PVC) - Insulated Wire For  
Appliance Hook-Up Use.

---

Rating                              90°C, 600 Volts; Moisture Resistance, 60°C, 600 Volts.

---

Conductor                          No. 26-16 AWG.  
                                        No. 14-9 AWG.  
\*    Solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 1/32-Inch Wall Thermoplastic (PVC) Type TW  
Recognized (QMTT2) Compounds also suitable for use at 90°C  
in air or 60°C or 80°C in oil.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Physical Properties of Insulation, unaged same as for  
\*Representative                      Class 43.  
                                        Dielectric Strength and Insulation Resistance Tests  
                                        same as TW.  
\*    (12) Insulation Resistance at 60°C.

---

UL    (4) Detailed Examination.  
\*Counter-Check                      (4) Physical Properties of Insulation.  
\*Program                              (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
                                        (4) Flame Test. Same as for TW.  
                                        (4) Specific Inductive Capacity at 30°C.

---

\*Marking                              General.

---

Use    Internal Wiring of Electric Refrigerating Equipment or Room  
Air Conditioners or Room Cooler Units or Internal Wiring of  
Refrigerating Equipment or Room Air Conditioners or  
Room Cooler Units or Internal Wiring of Remote Outdoor  
Condensing Units for Domestic Cooling Systems, or where  
exposed to oil at a temperature not exceeding (60°C or 80°C,  
whichever is applicable). Moisture Resistant 60°C.

Style 1393 Polypropylene Insulated, Neoprene Jacketed Wire.

---

Rating 90°C, 1000 volts; 60°C exposed to oil.

---

\*Conductor No. 18-12 AWG, stranded copper. Tinning optional.

---

Insulation Polypropylene, 10 mils nominal, 8 mils minimum thickness.

---

Covering Class 17, neoprene, 35 mils nominal, 31 mils minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative \*  
Detailed Examination.  
Physical Properties and flexing as received  
(See Facing Page).  
\* Dielectric Strength.  
Insulation Resistance (See Facing Page)  
\* Optional Spark Test.

---

UL Counter-Check Program  
Detailed Examination.  
Physical Properties and flexing before and after aging (See Facing Page).

---

\*Marking General.

---

Use In appliances in dry locations, 90°C max.,  
or, where exposed to oil, 60°C max.

Style 1394            5.5 mil wall extruded TFE insulated wire with polyamide covering.

---

Rating                200°C, no voltage rating.

---

Conductor            32-20 AWG, solid or stranded, silver plated or nickel coated  
\*                        copper conductor or nickel conductor.

---

Insulation            Nominal 5.5 mil extruded tetrafluoroethylene 5 mil min.

---

Covering              Approx 1/2 mil.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Flexing, except use mandrel two times dia of wire.  
\*Representative      Spark Test, 2000 V.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Age 60 days in air oven at 210°C after which samples  
\*Program               shall be flexed as described on except using mandrel  
                             two times dia of wire the insulation shall not crack.  
\*                        (4) Heat Shock, except at 250°C.  
\*                        (4) Cold Bend, using a 1/16 in dia mandrel  
\*                        (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                    In back panel areas of electronic computers and business  
                             machines where not subjected to movement or mechanical  
                             damage and where exposed to oil not exceeding 60°C.

Style 1395 CTFE or modified CTFE insulated wire.

---

Rating 105 deg. C, no voltage rating.

---

Conductor 32-16 AWG, solid or stranded, bare, tin,  
silver, or nickel coated copper conductor.

\*

---

Insulation CTFE (polychlorotrifluoroethylene) or  
modified CTFE 10 mil minimum average, 8 mil  
minimum at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except use mandrel two times diameter of wire.  
\*Representative Spark Test, 2000 V.

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 7 days in air oven at 136 deg. C  
Program after which samples shall be flexed,  
\* except using mandrel two times diameter of wire,  
the insulation shall not crack.  
\* (4) Heat Shock, except at 136 deg. C.  
\* (4) Cold Bend, using a 1/16 in diameter mandrel.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Wiring of electronic computers and business machines.

Style 1396                      Nominal 5/64 In. Thermoplastic (PVC) - Insulated  
Wire for Appliance Hook Up Use.

---

Rating                              90°C, 600 V, Moisture Resistant, 60°C , 600 V.

---

Conductor                          8-2 AWG solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 5/64 In. wall Thermoplastic (PVC) Type TW  
Bulletin Compounds also suitable for use at 90°C  
in air or 60°C in oil, or AWM Bulletin Compound  
if marked for use at 90°C in air and 80°C in oil.

---

Covering                              None.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative                      Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests,  
same as Type TW.  
\*    (12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
\*    (4) Detailed Examination  
\*    (4) Tensile Strength and Elongation of Insulation.  
\*    \*

\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
    (4) Flame Test, same as for Type TW.  
    (4) Mechanical Water Absorption at 70°C .  
    (4) Specific Inductive Capacity at 30°C.

---

\*Marking                                  General.

---

Use    Internal wiring of appliance where exposed  
to temperatures not exceeding 90°C, or where  
exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable)  
Moisture Resistant, 60°C.

Style 1397                      Thermoplastic (PVC) - Insulated Resistance  
Wire for Heating Cable Units.

---

Rating                              90 deg. C, 600 Volts; Moisture Resistant,  
60 deg. C, 600 Volts.

---

Conductor                          Nickel, Copper Alloy or Copper, size varies  
dependent upon wattage demand.

---

Insulation                          Nominal 1/32 inch wall thermoplastic (PVC)  
Type TW, THW or THWN Compound, also suitable  
for use at 90 deg. C in air.

---

Covering                            Extruded Zytel 33 Nylon, thickness 3 mils,  
plus or minus 1 mil.

---

Shield                                Copper braid consisting of bare copper.  
Combination of strand size and number of strands such that  
braid is equivalent to No. 18 AWG.

---

Jacket                                Over braid - nominal 20 mil, minimum 18 mil  
at any point, Thermoplastic Insulated Wires UL 83.

---

\*Standard                            Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation  
\*Representative                      Class 43.  
\*    Dielectric Strength Test.  
\*    Spark Test, 6000 Volts.  
\*    (12) Insulation Resistance at 60 deg. C.

---

(Continued Page 1397A)

UL (4) Detailed Examination, UL 62.  
Counter-Check (4) Tensile Strength and Elongation of insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30 deg. C, UL 83.  
(4) Mechanical Water Absorption at 70 deg. C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90 deg. C; moisture resistant 60 deg. C". The conductor alloy designation shall be included Ohms per foot rating. (Optional Marking).

Style 1398            Nominal 1/32 Inch Thermoplastic (PVC) Insulated  
Wire for Nonheating Leads on Deicing Units.

---

Rating                60°C, 600 Volts.

---

\*Conductor            No. 14-10 AWG solid or stranded, tinned or bare copper.

---

Insulation            Nominal 1/32 inch wall of Thermoplastic (PVC) compound  
suitable for use on Type TW wire. The insulation shall be  
red in color to indicate 240 volt rating.

---

Covering              Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

Shield                Copper braid consisting of bare copper. Combination of  
strand size and number of strands such that braid  
is equivalent to No. 16 AWG.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions            Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation  
Representative        before aging, same as for Type TW wire.  
\*                        Spark Test.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of Insulation  
Program                same as for Type TW wire.  
                          (4) Heat Shock, same as for Type TW wire.  
                          (4) Deformation, same as for Type TW wire.  
                          (4) Cold Bend , same as for Type Tw wire.  
                          (4) Mechanical Water Absorption at 70°C.  
                          (4) Specific Inductive Capacity at 30°C.  
                          (4) Flame Test same as for Type TW.

---

\*Marking              General.

---

Use                    Only as factory assembled Nonheating Leads on Deicing  
units for use in concrete or asphalt driveways,  
walk, etc.



Style 1399                      Nominal 1/ 32 inch Thermoplastic (PVC) Insulated  
wire for Non heating Leads on Deicing Units.

---

Rating                              60°C, 115 volts.

---

\*Conductor                      No. 14-10 AWG solid or stranded, tinned or bare copper.

---

Insulation                      Nominal 1/32 inch wall of Thermoplastic (PVC) compound  
suitable for use on Type TW wire. The insulation shall  
be yellow in color to indicate 115 volt rating.

---

Covering                          Extruded Zytel 33 nylon in 3 mil minimum thickness.

---

Shield                              Copper braid consisting of bare copper combination  
of strand size and number of strands such that braid  
is equivalent to No. 16 AWG.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                      Detailed Examination.  
to UL                              Tensile Strength and Elongation of Insulation  
Representative                      before aging, same as for Type TW wire.  
\*                                      Spark Test.

---

UL                                      (4) Detailed Examination  
Counter-Check                      (4) Tensile Strength and Elongation of Insulation  
Program                              same as for Type TW wire.  
    (4) Heat Shock, same as for Type TW wire.  
    (4) Deformation, same as for Type TW wire.  
    (4) Cold Bend, same as for Type TW wire.  
    (4) Mechanical Water Absorption at 70°C.  
    (4) Specific Inductive Capacity at 30°C.  
    (4) Flame Test same as for Type TW.

---

\*Marking                          General.

---

Use                                      Only as factory assembled Nonheating Leads on Deicing  
units for use in concrete or asphalt driveway, walk,  
etc.

Style 1400 Thermoplastic - Insulated Wire.

---

Rating 90° Dry, 60°C where exposed to oil, and 75°C Wet, 600 Volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and THW grade PVC.

Conductor Size, AWG	Minimum Avg Thickness, Mils	Minimum Thickness at Any Point, Mils
14-10	45	41

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation.  
Representative Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 75°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Type THW.  
(4) Heat Shock.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

\*Marking General.

---

Use Internal wiring of appliances; or internal wiring of  
appliances where exposed to oil, at a temperature not  
exceeding 60°C. Moisture rating 75°C. Tag may also  
indicate the following; 2500 volts peak for electronic use  
only.

Style 1401 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry, 60°C where exposed to oil, and 75°C  
Wet, 600 Volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and THW grade PVC.

Conductor Size, AWG	Minimum Avg Thickness, Mils	Minimum Thickness at Any Point, Mils
8	60	54

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Type THW.  
Dielectric Strength and Insulation Tests.  
(12) Insulation Resistance at 75°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
Type THW.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

\*Marking General.

---

Use Internal wiring of appliances; or internal  
wiring of appliances where exposed to oil, at  
a temperature not exceeding 60°C.  
Moisture rating 75°C.

Style 1402 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and TW grade PVC. See bulletin  
Subject 83 for acceptable nylon.

PVC Insulation

Conductor Size, AWG	Minimum Average Thick- ness, Mils	Minimum Thick- ness at Any Point, Mils	Minimum Thick- ness of Nylon Jacket, Mils
22-10	30	27	5

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions \*to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

(Continued on Page 1402A)

\*Marking                    General.

---

Use                            Internal wiring of appliances; or internal wiring of  
                                 appliances where exposed to oil, at a temperature not  
                                 exceeding 60°C. Moisture rating 60°C.  
                                 Tag may also indicate the following: 2500 volts peak for  
                                 electronic use only.

Style 1403 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and TW grade PVC. See bulletin  
and Subject 83 for acceptable nylon.  
Nylon Jacket

PVC Insulation

Conductor Size AWG	Nominal Thick- ness, 64th In.	Minimum Average Thick- ness, Mils	Minimum Thick- ness at Any Point, Mils	Minimum Thickness of Nylon Jacket, Mils
8	3	45	41	7

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation.  
Representative Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

(Continued on Page 1403A)

Marking                    General.

---

Use                        Internal wiring of appliances; or internal wiring of  
                             appliances where exposed to oil at a temperature not  
                             exceeding 60°C. Moisture rating 60°C.

Style 1404 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and TW grade PVC. See bulletin  
and Subject 83 for acceptable nylon.  
Nylon Jacket

PVC Insulation

Conductor Size, AWG	Nominal Thick- ness, 64th In.	Minimum Average Thick- ness, Mils	Minimum Thick- ness at Any Point, Mils	Minimum Thickness of Nylon Jacket, Mils
6-2	4	60	54	8

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation.  
Representative Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

(Continued on Page 1404A)



UNDERWRITERS LABORATORIES INC.  
Subject 758            Section 1

Page 1404A

APPLIANCE WIRING MATERIAL  
Issued: March 4, 1966  
Revised: Nov. 9, 2000

\*Marking            General.

---

Use                    Internal wiring of appliances; or internal wiring of  
                         appliances where exposed to oil at a temperature not  
                         exceeding 60°C. Moisture rating 60°C.

Style 1405 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and TW grade PVC. See bulletin  
and Subject 83 for acceptable nylon.  
Nylon Jacket

PVC Insulation

Conductor Size AWG	Nominal Thickness 64th In.	Minimum Average Thick- ness, Mils	Minimum Thick- ness At Any Point Mils	Minimum Thickness of Nylon Jacket Mils
1-4/0	5	78	70	10

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation.  
Representative Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
Program Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

(Continued on Page 1405A)

UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1405A

APPLIANCE WIRING MATERIAL  
Issued: March 4, 1966  
Revised: Nov. 9, 2000

Marking

General.

---

Use

Internal wiring of appliances; or internal wiring of appliances where exposed to oil at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1406 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and TW grade PVC. See bulletin  
Subject 83 for acceptable nylon.

PVC Insulation

<u>Conductor Size, MCM</u>	<u>Nominal Thick- ness, 64th In.</u>	<u>Minimum Average Thick- ness, Mils</u>	<u>Minimum Thick- ness at Any Point, Mils</u>	<u>Minimum Thickness of Nylon Jacket, Mils</u>
250-500	6	94	85	12

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
\*  
Dielectric Strength and Insulation Resistance  
Tests.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

---

(Continued on Page 1406A)

\*Marking                    General.

---

Use                        Internal wiring of appliances; or internal wiring of  
                              appliances where exposed to oil at a temperature not  
                              exceeding 60°C. Moisture rating 60°C.

Style 1407 Thermoplastic - Insulated Wire.

---

Rating 90°C Dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation Class 43 and TW grade PVC. See bulletin  
and Subject 83 for acceptable nylon.  
Nylon Jacket

PVC Insulation

Conductor Size, MCM	Nominal Thick- ness, 64th In.	Minimum Average Thick- ness, Mils	Minimum Thick- ness at Any Point, Mils	Minimum Thickness of Nylon Jacket, Mils
600-1000	7	109	98	14

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength and Insulation Resistance Tests.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test.  
(4) Specific-Inductive-Capacity Test.

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UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1407A

APPLIANCE WIRING MATERIAL  
Issued: March 4, 1966  
Revised: Nov. 9, 2000

\*Marking                   General.

---

Use                        Internal wiring of appliances; or internal wiring of  
                              appliances where exposed to oil at a temperature not  
                              exceeding 60°C. Moisture rating 60°C.

Style 1408 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry locations, 60°C where exposed to moisture or oil; 600 V.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

Conductor Size, AWG	Min. Avg. Thickness Mils	Min. Thickness at any Point Mils	Min. Thickness at any Point of nylon jacket, mils
22-12	15	13	4

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
\*  
Dielectric Strength and Insulation Resistance Tests, same as for Type THWN.  
Insulation Resistance at 60°C (Per UL 1063) (once a month).

---

UL Counter-Check \*Program  
\* (4) Detailed Examination.  
\* (4) Tensile Strength and Elongation of Insulation, Class 43.  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
(4) FT-1 Flame Test.  
(4) Specific Inductive Capacity Test, at 30°C.

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(Continued on Page 1408A)



UNDERWRITERS LABORATORIES INC.  
Subject 758

Section 1

Page 1408A

APPLIANCE WIRING MATERIAL  
Issued: Mar. 4, 1966  
New: Feb. 16, 1993

\*Marking                   General.

---

Use                        Internal wiring of appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C. Tags may also indicate the following; 2500 volts peak for electronic use only.

Style 1409 Thermoplastic - Insulated Wire.

---

Rating 90°C in dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

---

Conductor Size, AWG	Min Avg. Thickness Mils	Min Thickness at any Point Mils	Min Thickness of Nylon Jacket Mils
10	20	18	4

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Dielectric Strength and Insulation.  
Resistance Tests, same as for Type THWN.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test, at 70°C.  
(4) Specific-Inductive-Capacity Test, at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C. Tags may also indicate the following; 2500 volts peak for electronic use only.

Style 1410 Thermoplastic - Insulated Wire.

---

Rating 90°C dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

---

Conductor Size, AWG	Min Avg. Thickness Mils	Min Thickness at any Point Mils	Min Thickness of Nylon Jacket Mils
8-6	30	27	5

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation.  
Dielectric Strength and Insulation Resistance Tests, same as for Type THWN.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test, at 70°C.  
(4) Specific-Inductive-Capacity Test, at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1411 Thermoplastic - Insulated Wire.

---

Rating 90°C dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

---

Conductor Size, AWG	Min Avg. Thickness Mils	Min Thickness at any Point Mils	Min Thick. of Nylon Jacket Mils
4-2	40	36	6

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Dielectric Strength and Insulation Resistance Tests, same as for Type THWN.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test, at 70°C.  
(4) Specific-Inductive-Capacity Test, at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1412 Thermoplastic - Insulated Wire.

---

Rating 90°C dry and 60°C where exposed to moisture or oil;  
600 volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

---

Conductor Size, AWG	Min Avg. Thickness Mils	Min Thickness at any Point Mils	Min Thick. of Nylon Jacket Mils
1-4/0	50	45	7

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Dielectric Strength and Insulation.  
Resistance Tests, same as for Type THWN.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program  
(4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical-Water-Absorption Test, at 70°C.  
(4) Specific-Inductive-Capacity Test, at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1414 Thermoplastic - Insulated Wire.

---

Rating 90°C dry and 60°C where exposed to moisture or oil;  
600 Volts.

---

\*Conductor Solid or stranded, bare or tinned.

---

Insulation and Nylon Jacket Class 43 and THW Grade PVC. See Bulletin Subject 83 for acceptable nylons.

PVC Insulation

---

Conductor Size, AWG	Min Avg. Thickness Mils	Min Thickness at any Point Mils	Min Thick. of Nylon Jacket Mils
600-1000	70	63	9

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
Dielectric Strength and Insulation Resistance Tests, same as for Type THWN.  
(12) Insulation Resistance at 60°C.

---

UL Counter-Check Program (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation, Class 43.  
(4) Heat Shock.  
(4) Deformation.  
(4) Cold Bend.  
(4) Flame Test.  
(4) Mechanical Water-Absorption Test, at 70°C.  
(4) Specific Inductive-Capacity Test, at 30°C.

---

\*Marking General.

---

Use Internal Wiring of Appliances; or internal wiring of appliances where exposed to oil, at a temperature not exceeding 60°C. Moisture rating 60°C.

Style 1415	Thermoplastic (PVC) - Insulated Resistance Wire for Heating Cable Units.
Rating	90°C, 600 Volts; Moisture Resistant, 60°C, 600 Volts.
Conductor	Nickel, copper alloy, or copper. Size varies dependent upon wattage demand.
Insulation	Nominal 1/32 inch wall Thermoplastic (PVC). Type TW Bulletin Compound, also suitable for use at 90°C in air.
Covering	Extruded Zytel 33 nylon in 3 mil minimum thickness.
*Shield	Copper braid consisting of bare copper, combination of strand size and number of strands such that braid is equivalent to No. 18 AWG.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL	Detailed Examination, UL 62.
*Representative	Tensile Strength and Elongation of Insulation Class 43.
*	Dielectric Strength Test.
*	Spark Test, 6000 Volts.
*	(12) Insulation Resistance at 60°C.
UL Counter-Check Program	(4) Detailed Examination.
	(4) Tensile Strength and Elongation of Insulation *
*	(4) Heat Shock.
*	(4) Cold Bend.
*	(4) Deformation.
*	(4) Horizontal Flame Test.
*	(4) Insulation Resistance.
	(4) Specific Inductive Capacity at 30°C, UL 83.
	(4) Mechanical Water Absorption at 70°C, UL 83.
*Marking	General.
Use	"Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C; moisture resistant 60°C." The conductor alloy designation shall be included. Ohms per foot rating (optional marking).

Style 1416                      Nominal 4/64 in Thermoplastic (PVC) - Insulated Wire For  
Internal Wiring of Room Cooler Units.

---

Rating                              105°C, 600 V; Moisture Resistant, 60°C, 600 V.

---

\*Conductor                        No. 18-10 AWG, tinned or bare.

---

Insulation                        Nominal 4/64 in wall Thermoplastic (PVC) Type TW Bulletin  
Compound also suitable for use at 105°C in air or 60°C in  
oil, or AWM Bulletin compound if marked for use at 105°C  
in air and 80°C in oil.

---

Covering                            None.

---

\*Standard                         Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation,  
\*Representative                    same as for Class 43.  
Dielectric Strength and Insulation Resistance Tests same  
as TW  
\*                                        Insulation Resistance at 60°C.

---

UL                                    (4) Detailed Examination.  
\*Counter-Check                    (4) Tensile Strength and Elongation of Insulation.  
\*Program                            (4) Heat Shock.  
\*                                        (4) Deformation.  
\*                                        (4) Cold Bend.  
    (4) Flame Test, same as for TW  
    (4) Mechanical Water Absorption at 70°C  
    (4) Specific Inductive Capacity at 30°C

---

\*Marking                            General.

---

Use                                    Internal Wiring of Electric Refrigerating Equipment or Air  
Conditioning Equipment at temperatures not exceeding  
105°C; or ditto where exposed to oil at temperatures not  
exceeding (60°C or 80°C) whichever is applicable; Moisture  
Resistant, 60°C.



Style 1417 Cellular Polypropylene Insulated, with either PVC or Flame retardant coating.

---

Rating 80°C, 300 Volt.

---

Conductors No. 16-22 AWG  
Material - Copper or Copper Alloy - Bare and Tin or Silver  
\* Coated - Solid or Stranded.

---

Insulation Cellular Polypropylene for use in air at 80°C.  
Wall thickness nominal 1/32 inch.

---

Covering Class 43 Extruded PVC, approximately 1/64 inch thick, or flame retardant coating applied directly over the cellular polypropylene.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation, before aging  
Representative See Facing Page.  
Spark Test, 3000 Volts.

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Horizontal Flame Test.  
Program (4) Physical properties before and after aging  
(see Facing Page).

---

\*Marking General.

---

Use "Appliance Wiring Material For Use In Elevator Electronic Circuit Wiring, totally enclosed, not subjected to flexing, and at temperatures not exceeding 80°C".

Style 1418 Polyethylene-Insulated, Shielded and  
Thermoplastic (PVC) Jacketed Cable.

---

Rating 80°C, 150 Volts (voltage rating applies to jacket only).

---

\*Conductor No. 26 AWG- stranded copper-clad steel.

---

Insulation Nominal 0.0205 inch (0.016 minimum) wall of polyethylene.

---

Shielding A shield over the insulation shall consist of a  
bare or tinned copper braid.

---

Jacket Thermoplastic (PVC), nominally 11.5 mils, minimum  
(at any point) 9 mils.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Jacket,  
\*Representative Class 43.  
\* Spark Test, 3000 Volts, shall be  
applied between shielding and electrode  
contacting outer surface of Jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene  
\*Program Insulation.  
(4) Physical Properties of jacket, Class 43  
(rated 80°C).  
(4) Cold Bend (applicable to jacket only),  
\*  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a temperature  
not exceeding 80°C and where the Jacket is exposed to  
a maximum operating potential of 150 Volts.

Style 1419 Extruded TFE or FEP Insulated, Shielded and  
Extruded TFE or FEP Jacketed Cable.

---

Rating 105°C - No voltage rating.

---

\*Conductor No. 30-16 AWG - stranded, silver plated, copper-clad steel.

---

Insulation 24 mils min. average (21.0 mils minimum at  
any point) wall of extruded TFE or FEP.

---

\*Shielding Optional.

---

Jacket TFE or FEP; 8 mils min. average, 7 mils.  
minimum at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation.  
Representative \*  
\* Spark Test, 2000 volts, shall be applied between shielding  
and electrode contacting outer surface of jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock except at 260°C.  
\* (4) Cold Bend.  
\* (4) Flame Test.

---

\*Marking General.

---

Use In electronic equipment.

Style 1420 Polyethylene - Insulated, Shielded and Thermoplastic  
(PVC) Jacketed Cable.

---

Rating 80°C, 300 volts (voltage rating applies to jacket only).

---

\*Conductor No. 26 AWG - stranded copper clad steel.

---

Insulation Nominal 20.5 mils (16 mil minimum) wall of polyethylene.

---

Shielding A shield over the insulation shall consist of a  
bare or tinned copper braid.

---

Jacket Thermoplastic (PVC), nominally 15.6 mils,  
minimum (at any point) 13 mils.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examinaton.  
to UL Tensile Strength and Elongation of Jacket  
\*Representative Class 43.  
\* Spark Test, 3000 Volts, shall be applied between shielding  
and electrode contacting outer surface of Jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene Insulation.  
\*Program (4) Physical Properties of Jacket, Class 43  
(rated 80°C).  
(4) Cold Bend (applicable to Jacket only)  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a  
temperature not exceeding 80°C and where the  
jacket is exposed to a maximum operating  
potential of 300 Volts.

Style 1421 Coaxial Cable Polyethylene Insulated-Electronic Use Wire.

---

Rating 60°C, 30 Volt.

---

Conductor No. 32 AWG Min. Material - Copper, Copper-Clad Steel, or  
\* Copper Alloy - Bare and Tin or Silver Coated Solid or  
stranded.

---

Insulation Solid or Cellular polyethylene for use in air at 60°C.  
Nominal 23 mil wall (minimum at any point 18 mil).

---

Outer Covering Non-Ferrous metallic braid or wrap.

---

Covering Nominal 10 mil wall thermoplastic (PVC), (minimum at any  
point 8-mil).

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Detailed Examination.  
Representative Dielectric Strength Test - 110 volts for 1 min. between  
Conductor and Shield.

---

UL (4) Detailed Examination.  
\*Counter-Check Program (4) Horizontal Flame Test.

---

\*Marking General.

---

Use "Appliance Wiring Material," suitable for use with electronic  
computers and electric business machines, Class 2 wiring  
systems.

Style 1422 Polyvinylidene Fluoride Resin Insulated Wire.

---

Rating 105°C, No voltage rating.

---

\*Conductor No. 32-20 AWG.

---

Insulation 5 Mils min average, 4 mils min at any point wall polyvinylidene fluoride resin.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except using mandrel two times diameter of wire.  
\*Representative Spark Test, 2,000 volts.  
Tensile Strength and Elongation, as received, (4500 psi and 100 per cent Elongation, minimum acceptable values).

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air-oven at 113°C after which sample shall be flexed except using mandrel two times diameter of wire.  
\*Program (4) Tensile Strength and Elongation, same as above.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage.

Style 1423            Thermoplastic Polyvinylidene Fluoride Resin Insulated Wire.

---

Rating                105°C, No Voltage Rating.

---

Conductor            No. 36-20 AWG solid or stranded.

---

Insulation            4 mils min Avg., 3 mils min at any point Wall of (PVDF)  
polyvinylidene fluoride resin.

---

Standard             Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Flexing, except using mandrel two times diameter of  
wire.  
Spark Test, 2000 Volts.  
Tensile Strength and Elongation, unaged.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Age 60 days in air-oven at 113°C after which samples  
shall be flexed except using mandrel two times  
diameter of wire.  
(4) Tensile Strength and Elongation, unaged.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                    In back panel areas of electronic equipment where not  
subjected to movement or mechanical damage.

Style 1424            Nominal 5-mil wall Thermoplastic (Polysulfone) Insulated  
Wire for Back Pane Use.

---

Rating                105°C, No voltage rating.

---

Conductor            No. 32-24 AWG consisting of solid or stranded tinned silver  
\*                      plated or nickel plated copper.

---

Insulation            Nominal extruded 5 mil, minimum 4 mil wall polysulfone.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Flexing, except using Mandrel two times diameter of wire.  
\*Representative      Spark Test, 2000 Volts.

---

UL                    (4) Detailed Examination.  
Counter-Check        (4) Age 60 days in air oven at 113°C after which samples  
\*Program              shall be flexed as described on except using  
                         Mandrel two times diameter of wire.  
\*                      (4) Heat Shock, except at 136°C.  
\*                      (4) Cold Bend.  
\*                      (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    In back panel area of electronic computers and business  
machines where not subjected to movement or mechanical  
damage and where exposed to temperatures not exceeding  
105°C.



Style 1425            Nominal 4-mil wall Thermoplastic (Polysulfone) Insulated  
Wire for Back Panel Use.

---

Rating                105°C, No Voltage rating.

---

Conductor            No. 32-24 AWG consisting of solid or stranded tinned silver  
\*                        plated or nickel plated copper.

---

Insulation            Nominal extruded 4 mil, minimum 3 mil wall polysulfone.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                 Flexing, except using Mandrel two times diameter of wire.  
\*Representative      Spark test, 2000 Volts.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Age 60 days in air oven at 113°C after which sample  
\*Program               shall be flexed as described on except using  
                             Mandrel two times diameter of wire.  
\*                        (4) Heat shock, except at 136°C.  
\*                        (4) Cold Bend.  
\*                        (4) Horizontal Flame Test.

---

\*Marking             General.

---

Use                    In back panel areas of electronic computers and business  
machines where not subjected to movement or mechanical  
damage and wher exposed to temperatures not exceeding 105°C.

Style 1426 Polyvinylidene Fluoride Resin Insulated Wire.

---

Rating 105°C, No voltage rating.

---

\*Conductor No. 32-20 AWG.

---

Insulation 6 Mils min average, 5 mils min at any point wall polyvinylidene fluoride resin.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except using mandrel two times diameter of wire.  
\*Representative Spark Test, 2,000 volts.  
Tensile Strength and Elongation, as received, (4500 psi and 100 per cent elongation, minimum acceptable values).

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air-oven at 113°C after which samples shall be flexed as described on except using mandrel two times diameter of wire.  
\*Program (4) Tensile Strength and Elongation, same as above.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage.

Style 1427 Polyethylene-Insulated, Shielded and Thermoplastic  
(PVC) Jacketed Cable.

---

Rating 80°C, 300 Volts (voltage rating applies to Jacket only).

---

\*Conductor No. 21 AWG - stranded, tinned or bare copper.

---

Insulation Nominal 0.042 inch (0.033 minimum) wall of polyethylene.

---

Shielding A shield over the insulation shall consist of a  
bare or tinned copper braid.

---

Jacket Thermoplastic (PVC), nominally 26 mils, minimum  
(at any point) 20 mils.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Jacket, Class 43.  
Representative \*  
\* Spark Test, 3000 volts, shall be applied  
between shielding and electrode contacting outer  
surface of Jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene Insulation  
Program \*  
(4) Physical Properties of Jacket, Class 43 (rated  
80°C).  
\* (4) Cold Bend (applicable to Jacket only).  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a  
temperature not exceeding 80°C and where the  
Jacket is exposed to a maximum operating potential  
of 300 volts.

Style 1428 Polyethylene - Insulated, Shielded and Thermoplastic  
(PVC) Jacketed Cable.

---

Rating 80°C, 600 Volts (voltage rating applies to Jacket only).

---

\*Conductor No.22 AWG - solid copper-clad steel.

---

Insulation Nominal 0.060 inch (0.048 minimum) wall of polyethylene.

---

Shielding A shield over the insulation shall consist of  
a bare or tinned copper braid.

---

Jacket Thermoplastic (PVC), nominally 40 mils, minimum  
(at any point) 32 mils.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Jacket, Class 43.  
Representative \*  
\* Spark Test, 3000 volts shall be applied between shielding  
and electrode contacting outer surface of Jacket.

---

UL (4) Detailed Examination.  
Counter-Check (4) Physical Properties of Polyethylene Insulation.  
Program \*  
(4) Physical Properties of Jacket, Class 43 (rated  
80°C).  
\* (4) Cold Bend (applicable to Jacket only)  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a temperature  
not exceeding 80°C and where the Jacket is exposed to a  
maximum operating potential of 600 Volts.

Style 1429            Insulated Wire.

---

Rating                80 deg. C, 150 Volts.

---

Conductor            32-16 AWG, solid or stranded.

---

Insulation            Irradiated PVC, 9 mils average wall,  
7 mils minimum at any point.

---

Covering              Optional - Extruded nylon 2 mils min. thickness or  
lacquered braid.

---

Standard              Appliance Wiring Material UL 758.

---

Instructions to UL Representative      Detailed Examination.  
Tensile Strength and Elongation of insulation, same as  
Class 43.  
Spark Test.

---

UL Counter-Check Program            (4) Detailed Examination.  
(4) Tensile Strength and Elongation of Insulation,  
same as Class 43.  
(4) Deformation.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

Marking                General.

---

Use                    Internal Wiring of Appliances or Electronic Equipment.  
Tags may indicate the following:  
300 Volts Peak - for Electronic Use Only.

---

Style 1430 Irradiated Polyvinyl Chloride (PVC) Insulated Wire.

---

Rating 105°C, 300 Volts.

---

Conductor 30-16 AWG, solid or stranded, silver plated, tinned or  
bare copper, or solid or stranded coated high strength  
\* copper - min. 90% conductivity.

---

Insulation 15 mils min. avg. 13 mils min. at any point. Wall  
thermoplastic, irradiated PVC.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of insulation, same as  
\*Representative for Class 43.  
\* Spark Test (3000 Volts).

---

UL (4) Detailed Examination.  
Counter-check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Deformation.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Appliances  
Tags may indicate the following:  
600 Volts Peak - For Electronic Use Only.

---

Style 1431 Irradiated Polyvinyl Chloride (PVC) Insulated Wire.

---

Rating 105°C, 600 Volts.

---

Conductor 30 AWG - 1000 MCM, Solid or stranded, tinned bare or silver plated copper or solid or stranded coated high strength copper - min. 90% conductivity.  
\*

---

Insulation Extruded Thermoplastic Irradiated PVC

Conductor Size AWG	Min. Avg. (Mils)	Min. at any Point (Mils)
30 - 9	30	27
8	45	41
7 - 2	60	54
1 - 4/0	78	70
250 - 500 MCM	95	86
501 - 1000 MCM	110	99

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43.  
Spark Test.  
30 - 24 AWG 4000 V  
22 - 20 AWG 5000 V 7 - 2 AWG 10,000 V  
18 - 8 AWG 6000 V 1 - 4/0 AWG 12,500 V  
213 - 500 MCM - 15,000 V  
550 - 1000 MCM - 17,500 V

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Flame Test.

---

\*Marking General.

---

Use For use as Motor Leads or Internal Wiring of Appliances. Tags may indicate the following:  
2500 Volts Peak - For Electronic Use Only.

Style 1432            Nominal 6 mil wall Thermoplastic (Polysulfone) Insulated  
Wire for Back Panel Use.

---

Rating                105°C, No voltage rating.

---

Conductor            No. 30-20 AWG consisting of solid or stranded tinned silver  
\*                      plated, or nickel plated copper.

---

Insulation            Nominal extruded 6 mil, minimum 5 mil wall polysulfone.

---

Covering             None.

---

\*Standard            Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
\*to UL                Flexing, except using Mandrel two times diameter of wire.  
\*Representative      Spark Test, 2000 Volts.

---

UL                    (4) Detailed Examinaton.  
Counter-Check        (4) Age 60 days in air oven at 113°C after which samples  
\*Program              shall be flexed as described on except using  
                         Mandrel two times diameter of wire.  
\*                      (4) Heat Shock, except at 136°C.  
\*                      (4) Cold Bend.  
\*                      (4) Flame Test.

---

\*Marking             General.

---

Use                    In back panel areas of electronic computers and business  
                         machines where not subjected to movement or mechanical  
                         damage and where exposed to temperatures not exceeding  
                         105°C.



Style 1433                      Nominal 7 mil wall Thermoplastic (Polysulfone) Insulated  
Wire for back panel use.

---

Rating                              105°C, No voltage rating.

---

Conductor                          No. 32-20 AWG consisting of solid or stranded tinned,  
\*                                      silver plated, or nickel plated copper.

---

Insulation                          Nominal extruded 7 mil, minimum 6 mil wall polysulfone.

---

Covering                            None.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
\*to UL                                Flexing, except using Mandrel two times diameter of wire.  
\*Representative                      Spark Test, 2000 Volts.

---

UL                                      (4) Detailed Examination.  
Counter-Check                        (4) Age 60 days in air oven at 113°C after which samples  
\*Program                                shall be flexed as described on except using  
   Mandrel two times diameter of wire.  
\*    (4) Heat Shock, except at 136°C.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                            General.

---

Use                                      In back panel areas of electronic computers and business  
machines where not subjected to movement or mechanical  
damage and where exposed to temperatures not exceeding  
105°C.

Style 1434                    Coaxial Cable - Polyethylene Insulated -  
Electronic Use Wire.

---

Rating                      60°C, 30 Volts.

---

Conductor                  30-20 AWG.  
Material - Copper, Copper-Clad Steel, or Copper Alloy Bare  
\* and Tin or Silver Coated - Solid or Stranded.

---

Insulation                  Flame Retardant. Polyethylene.  
Wall thickness may range from .009 in to .012 in.

---

Covering                    Extruded zytel, 33 nylon - 2 mil minimum thickness or  
\* lacquered glass or rayon braid.

---

\*Standard                  Appliance Wiring Material UL 758.

---

Instructions                Detailed Examination.  
to UL  
Representative

---

UL                            (4) Detailed Examination  
\*Counter-Check            (4) Horizontal Flame Test.  
Program

---

\*Marking                    General.

---

Use                           Appliance Wiring Material suitable for use  
with electronic computers and electric business  
machines, Class 2 wiring systems.

Style 1435 Thermoplastic (Polyethylene) - Insulated,  
shielded, and PVC jacketed wire.

---

Rating 80 deg. C, 300 Volts.

---

Conductor and Insulation Solid or stranded. AWG size and thickness in  
accordance with the table below:

Solid or Cellular Polyethylene or Flame  
Retardant Polyethylene

---

AWG Size	Min Average Thickness, mils	Min at Any Point, mils
30 - 16	15	13
15 - 10	20	18

---

Optional Barrier Tape Polyester tape.

---

\*Shield Optional.

---

Optional Covering A textile braid, nylon jacket (2 mil min thickness),  
or min 8 mils of semi-rigid or regular PVC may  
be applied between the insulation and shield.

---

\*Shielding Optional.

---

Jacket Thermoplastic (PVC) jacket, 15 mils min average  
thickness, 13 mils, min at any point shall be  
applied, Class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

(Continued on Page 1435A)

Instructions to UL  
\*Representative  
\*  
\*  
Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
before aging, for Polyethylene and  
for Flame-Retardant Polyethylene not  
required for Cellular Polyethylene. Tensile Strength  
and Elongation of Jacket, same as for Class 43.  
Spark Test, 3000 Volts.

---

UL  
\*Counter-Check  
\*Program  
\*  
\*  
\*  
\*  
(4) Detailed Examination.  
(4) Insulation, for Polyethylene and  
for Flame-Retardant Polyethylene,  
not required for Cellular Polyethylene.  
(4) Jacket, Class 43.  
(4) Flexibility.  
(4) Cold Bend.  
(4) Horizontal Flame Test.

---

\*Marking                   General.

---

Use                        Internal Wiring of electronic equipment.

Style 1436 Polyethylene Insulated, Shielded and Polyvinyl Chloride Jacketed Cable.

---

Rating 80°C, 300 Volts.

---

\*Conductor No. 27-16 AWG, solid or stranded, tinned or bare.

---

Insulation Polyethylene or Flame Retardant Polyethylene, at any point, 30 mils min. avg., 27 mils min.

---

Optional Covering Nylon, PE, FRPE or PVC min 2 mil thick, or textile braid.

---

\*Shielding Optional.

---

Jacket PVC, 15 mils min avg., 13 mils min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative  
\* Detailed Examination.  
Tensile Strength and Elongation of Insulation, before aging.  
\* Polyethylene and Flame Retardant Polyethylene.  
Tensile Strength and Elongation of Jacket, same as for Class 43. Spark Test, 3000 Volts.  
\*

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation, for Polyethylene and for  
\*Program Flame-Retardant Polyethylene.  
(4) Jacket, Physical Properties, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal Wiring of Electronic Equipment or Appliances.

Style 1437                      Nominal 4/64-Inch Thermoplastic (Polyethylene) -  
Insulated Wire.

---

Rating                              80°C, 300 Volts.

---

Conductor                          No. 22 AWG, solid bare copper or copper-covered  
\*                                      steel wire.

---

Insulation                          Nominal 4/64-Inch wall of Polyethylene (Minimum  
thickness 56 mils).

---

Shielding                            Over conductor insulation consisting of No. 36 or  
30 AWG, copper applied as a closely woven braid.

---

Jacket                                Nominal 1/32-Inch wall of Thermoplastic (PVC), Class 43.

---

\*Standard                            Appliance Wiring Material UL 758.

---

Instructions                          Detailed Examination.  
to UL                                  Tensile Strength and Elongation of Insulation, same  
\*Representative                      as for Class 43.  
    Tensile Strength and Elongation of Jacket, same as  
\*    for Class 43.  
\*    Spark Test, 3000 V.

---

UL                                      (4) Detailed Examination.  
Counter-Check                          (4) Jacket, Physical Properties, Class 43.  
\*Program                                (4) Flexibility.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      Intended as Radio - frequency transmission cable for  
use at temperatures not exceeding 80°C.

Style 1438                      Thermoplastic (Polyethylene) - Insulated Wire  
For Use In Stereophonic Amplifiers.

---

Rating                              80°C, 300 Volts.

---

Conductor                        No. 22 AWG, stranded consisting of No. 30 AWG  
\*                                    tinned copper.

---

Insulation                        Minimum 42-Mils wall of Polyethylene.

---

Shielding                        Consists of 40 ends of No. 34 AWG, tinned copper  
applied as a wrap with 5 ends of No. 34 AWG in a  
reverse wrap of 96 ends of No. 34 AWG tinned  
copper applied as a braid.

---

Jacket                              Nominal 1/32-Inch wall of Thermoplastic (PVC) Class 43.

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions                        Detailed Examination.  
to UL                                Tensile Strength and Elongation of Insulation,  
\*Representative                    same as for Class 43.  
\*                                        Tensile Strength and Elongation of Jacket, same  
\*                                        as for Class 43.  
\*                                        Spark Test, 3000 Volts.

---

UL                                    (4) Detailed Examination.  
Counter-Check                    (4) Jacket, Physical Properties, Class 43.  
\*Program                            (4) Flexibility.  
\*                                        (4) Cold Bend.  
\*                                        (4) Horizontal Flame Test.

---

\*Marking                        General.

---

Use                                    In Stereophonic Amplifiers where temperatures do not  
exceed 80°C.

Style 1439            Nominal 1/32-Inch Thermoplastic (Polyethylene)  
                         Insulation, a Nominal 7 mil Conductive Thermoplastic  
                         Shield and a Nominal 1/64-Inch Thermoplastic (PVC)  
                         Jacket.

---

Rating	80°C, 300 Volts.
*Conductor	No. 26-16 AWG, solid or stranded, tinned or bare copper.
Insulation	Nominal 1/32-Inch Wall of Polyethylene.
Shielding	A black colored conductive thermoplastic material 7-mils nominal, 6-mils minimum wall, in conjunction with a 26, 24, or 22 AWG stranded or solid, tinned or bare copper bonding conductor. Shielding may also be a wrap of aluminum faced "Mylar" tape with a parallel uninsulated drain wire.
Jacket	Over the shielding a nominal 1/64-inch thermoplastic (PVC) Jacket shall be applied. (Class 43). The color of the Jacket shall be other than black.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative	Detailed Examination. Tensile Strength and Elongation of Insulation, same as for Class 43. Tensile Strength and Elongation of Jacket, same as for Class 43.
*	Spark Test, 3000 Volts.
UL	(4) Detailed Examination.
Counter-Check	(4) Jacket, Class 43.
*Program	(4) Flexibility.
*	(4) Cold Bend.
*	(4) Horizontal Flame Test.
*Marking	General.
Use	In electronic equipment where exposed to temperatures not exceeding 80°C.



Style 1440 Thermoplastic (PVC) - Insulated Wire.

---

Rating 60°C, voltage not specified.

---

\*Conductor 30-20 solid or stranded, tinned or bare.

---

Insulation PVC, Class 43, 8 - mil mm average, 6 mil min at any point.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL  
\*Representative Detailed Examination.  
Tensile Strength and Elongation of Insulation,  
same as for Class 43. Spark Test.

---

UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of Insulation,  
\*Program Class 43.  
(4) Heat Shock same as for Class 43, UL 62.  
(4) Cold Bend (at - 10°C), same as for Class 43, UL 62.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage.

Style 1441 Gasoline resistant wire similar to Style THWN.

---

Rating 75°C, 600 Volts gasoline resistant.

---

Conductor \* Sizes 18, 16 AWG, solid or stranded, tinned or bare copper.

---

Insulation Nominal 15-mil (Min. 13-mil) thermoplastic recognized in Bulletin of U.L. for use in gasoline resistant THWN.

---

Covering Extruded Zytel 33 Nylon in 4-Mil minimum thickness.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions to UL Representative Detailed Examination. Tensile Strength and Elongation of Insulation, same as for THWN. Spark Test, per THWN requirements - 7.5 kv.

---

UL Counter-Check Program Same as for gasoline resistant Type THWN except for conductor size.

---

\*Marking General.

---

Use Internal wiring of appliances where exposed to temperatures not exceeding 75°C. Surface marking: "Gasoline and Oil resistant 60°C" at intervals not greater than 6 in.

Style 1442 Polyethylene-Insulated and PVC Jacketed HV Cable.

---

Rating 60°C, 20 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 50 mil (minimum 46 mil wall, polyethylene)

---

Jacket Nominal 25 mil (minimum 21 mil) thermoplastic  
(PVC) compound. Maximum O.D., 206"

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Test.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1443 Minimum Average 47-mil Thermoplastic (Polyethylene)  
Insulation, Lacquered Rayon Braid, Copper Braid  
Shield and a minimum average 20-mil PVC Jacket.

---

Rating 60°C, 600 Volts.

---

Conductor No. 26-16 AWG. solid or stranded copper wire with  
\* No. 30 AWG or smaller strands, tinned or bare.

---

Insulation 47-mil minimum average (43-mil minimum at any point)  
wall of polyethylene.

---

Covering Lacquered Rayon Braid.

---

Shielding Over Rayon braid, consisting of No. 36-30 AWG copper  
applied as a wrap or braid.

---

Jacket 20 mil minimum average (18 mil minimum at any point)  
thermoplastic (PVC), Class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative same as for Class 43.  
Tensile Strength and Elongation of Jacket, same  
\* as for Class 43.  
\* Spark Test.  
26-24 4000 V  
22-20 5000 V  
18-16 6000 V

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Insulation.  
Program (4) Jacket, Physical Properties, Class 43.  
\* (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use Internal wiring of electronic equipment.



Style 1445 Thermoplastic (PVC) - Insulated Resistance Wire  
for Heating Cable Units.

---

Rating 90°C, 250 volts; Moisture Resistant, 60°C , 250 Volts.

---

Conductor Nickel, Copper Alloy or Copper, size varies-  
dependent upon wattage demand.

---

Insulation Nominal 4/64 inch wall thermoplastic (PVC). Type  
TW Bulletin compound, also suitable for use at  
90°C in air.

---

Shield Copper braid consisting of bare copper. Combination  
of strand size and number of strands such that braid  
is equivalent to No. 18 AWG.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination, UL 62.  
to UL Tensile Strength and Elongation of Insulation,  
\*Representative Class 43, Section G.  
\* Dielectric Strength Test, Section G.  
\* Spark Test, 6000 Volts, Section G.  
\* (12) Insulation Resistance at 60°C.

---

UL (4) Detailed Examination  
Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program \*  
\* (4) Heat Shock.  
\* (4) Cold Bend.  
\* (4) Deformation.  
\* (4) Horizontal Flame Test.  
\* (4) Insulation Resistance.  
(4) Specific Inductive Capacity at 30°C, UL 83.  
(4) Mechanical Water Absorption at 70°C, UL 83.

---

\*Marking General.

---

Use "Thermoplastic Insulated Resistance Wire for Heating  
Cable Units where exposed to temperatures not exceeding  
90°C; moisture resistant 60°C." The conductor alloy  
designation shall be included in Ohms per foot rating  
(optional marking ).

Style 1446            Nominal 12 mil thermoplastic (PVC) insulated and shielded wire with 1/32 in. (PVC) jacket.

---

Rating                90°C, 300 Volts (Insulation), 600 (jacket).

---

\*Conductor            No. 26-16 AWG, solid or stranded, tinned or bare copper.

---

Insulation            Nominal 12 mil wall thermoplastic (PVC) 10 mil minimum at any point.

---

Covering  
\*                        Extruded Zytel 33 Nylon in 2 mil minimum thickness or Lacquered Braid.

---

Shielding             Shielding over nylon covering shall consist of No. 36-30 AWG tinned copper strands applied as a wrap or braid.

---

Jacket                 Over the shielding a nominal 1/32 in. thermoplastic (PVC) jacket shall be applied suitable for use at 90°C.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions  
to UL  
\*Representative        Detailed Examination.  
                              Tensile Strength and Elongation of Insulation,  
                              before aging.  
                              Tensile Strength and Elongation of Jacket, same as  
\*                                for Class 43.  
\*                                Spark test, 3000 volts.

---

UL  
\*Counter- Check        (4) Detailed Examination.  
\*Program                (4) Jacket, Class 43, except for aging.  
                              (4) Heat Shock.  
                              (4) Deformation, Class 43.  
\*                                (4) Cold Bend.  
\*                                (4) Horizontal Flame Test.

---

\*Marking              General.

---

Use                     Internal wiring in Electric Bookkeeping, Accounting, or Business Machines where exposed to temperatures not exceeding 90°C.

Style 1447            Nominal 6/64 and 7/64 Inch Thermoplastic (PVC) -  
Insulated Wire for Appliance Hook Up Use.

---

Rating                105°C, 600 Volts.

---

\*Conductor            225-1,000 MCM. Tinned or bare copper.

---

Insulation            501-1,000 MCM-Nominal 7/64 Inch, 225-500 MCM-  
Nominal 6/64 Inch wall Thermoplastic (PVC).  
Compound suitable for use at 105°C in air  
or 60°C in oil, or bulletin compound if  
marked for use at 105°C in air and 80°C in oil.

---

Covering              None.

---

\*Standard             Appliance Wiring Material UL 758.

---

Instructions           Detailed Examination.  
to UL                    Tensile Strength and Elongation of Insulation,  
\*Representative        same as for Class 43.

---

UL                     (4) Detailed Examination.  
Counter-Check        (4) Tensile Strength and Elongation of  
\*Program                Insulation.  
                          (4) Heat Shock, same for Type T wire,  
                          but at 136°C.  
                          (4) Deformation, same as for Type T wire.  
                          (4) Cold Bend, same as for Type T wire.

---

\*Marking              General.

---

Use                    Internal wiring of appliances where exposed to temperatures  
not exceeding 105°C; or internal wiring of appliances where  
exposed to temperatures not exceeding 105°C or where  
exposed to oil at a temperature not exceeding  
(60°C or 80°C, whichever is applicable).



Style 1448 Flame Retardant Polyethylene-Insulated HV Cable.

---

Rating 60°C, 6 KV-DC.

---

Conductor No. 24-18 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 31 mil (minimum 28 mil) wall, Flame - Retardant Polyethylene.

---

Jacket None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*To UL Tests.  
Representative

---

UL (4) Detailed Examination.  
\*Counter-Check (4) Tests.  
Program

---

\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1449	Thermoplastic (PVC) - Insulated Resistance Wire for Heating Cable Units.
Rating	90°C, 250 Volts; Moisture Resistant, 60°C, 250 Volts.
Conductor	Nickel, Copper Alloy or Copper, size varies - Bulletin Compound, also suitable for use at 90°C in air.
Insulation	Nominal 4/64 inch wall thermoplastic (PVC). Type TW Bulletin Compound, also suitable for use at 90°C in air.
Covering	Extruded Zytel 33 nylon in 3 mil minimum thickness.
Shield	Copper braid consisting of bare copper. Combination of strand size and number and strands such that braid is equivalent to No. 18 AWG.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL *Representative * * *	Detailed Examination, UL 62. Tensile Strength and Elongation of Insulation, Class 43. Dielectric Strength Test. Spark Test, 6000 Volts. (12) Insulation Resistance at 60°C.
UL Counter-Check Program * * * * *	(4) Detailed Examination, UL 62. (4) Tensile Strength and Elongation of Insulation, * (4) Heat Shock. (4) Cold Bend. (4) Deformation. (4) Horizontal Flame Test. (4) Insulation Resistance. (4) Specific Inductive Capacity at 30°C, UL 83. (4) Mechanical Water Absorption at 70°C, UL 83.
*Marking	General.
Use	"Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C; moisture resistant 60°C." The conductor alloy designation shall be included in Ohms per foot rating (optional marking ).

Style 1450 5.5 mil wall of Polyimide film "Kapton" Type F.

---

Rating 105°C, no voltage rating.

---

Conductor No 32-20 AWG solid or stranded silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy or silver plated cadmium bronze copper alloy.

---

Insulation Nominal 5.5 mil bonded tape of Polyimide film "Kapton" Type F in the form of a spiral wrap, 5 mil wall minimum.

---

Covering Optional 1/2 mil min. of a modified Polyimide resin.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except use mandrel two times diameter of  
Representative finished wire.  
\* Spark Test, 2000 volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 96 hours in air oven at 260°C after  
Program which samples shall be flexed, except  
\* using mandrel two times diameter of wire,  
the insulation shall not crack.  
\* (4) Heat Shock, except at 260°C.  
\* (4) Cold Bend, using a 1/16 in.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel area of electronic computers and business machines where not subjected to movement or mechanical damage or where exposed to oil at a temperature not exceeding 60°C.

Style 1451                      Thermoplastic (PVC) - Insulated Resistance Wire For Heating Cable Units.

---

Rating                              90°C, 250 Volts.

---

Conductor                        Copper or copper alloy, size varies dependant upon wattage demand.

---

Insulation                        Nominal 1/32 inch wall Thermoplastic (PVC).

---

Covering                         Extruded Zytel 33; Apex Tire & Rubber No. 71, 74, or 75; Foster Grant No. 61CH, 61C or 61DTRH; Allied Chemical "Plaskon" 8200HS - 1 nylon in 3 mil minimum thickness.

---

Jacket                             Nominal 1/32 inch wall of polyethylene.

---

\*Standard                        Appliance Wiring Material UL 758.

---

Instructions to UL                Detailed Examination, UL 62.  
\*Representative                Tensile Strength and Elongation of Insulation, Class 43, Section G.  
\*                                    Dielectric Strength Test, Section G.  
\*                                    Spark Test, 6000 Volts, Section G.

---

UL Counter-Check \*Program        (4) Detailed Examination, UL 62.  
    (4) Tensile Strength and Elongation of Insulation, Section G.  
    (4) Heat Shock, Deformation and Cold Bend (at minus 10°C) same as for Class 43, UL 62.  
\*                                    (4) Horizontal Flame Test, Section G.  
\*                                    (4) Insulation Resistance, Section G.  
    (4) Specific Inductive Capacity at 30°C, UL 83.

---

\*Marking                         General.

---

Use                                "Thermoplastic Insulated Resistance Wire for Heating Cable Units where exposed to temperatures not exceeding 90°C." The Conductor alloy designation shall be Included. Ohms per foot rating (Optional Marking).

Style 1452                      Similar to Type THHN.

---

Rating                              90 deg. C, 1000 Volts.

---

\*Conductor                      No. 26-12 AWG, solid or stranded.

---

Insulation                      Nominal 15 mil (minimum 13 mil) Thermoplastic (PVC).

---

Covering  
\*                                      Extruded Nylon in 4 mil minimum thickness.  
\*                                      Section G for compound.

---

\*Standard                      Appliance Wiring Material UL 758.

---

Instructions  
to UL                              Detailed Examination.  
\*Representative                      Tensile Strength and Elongation of Insulation,  
\*                                      same as for Class 43.  
\*                                      Dielectric Strength.  
\*                                      Insulation Resistance at room temperature per  
\*                                      UL 1063 Spark Test.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of  
\*Program                              Insulation, Class 43.  
\*                                      (4) Heat Shock.  
\*                                      (4) Deformation.  
\*                                      (4) Cold Bend.  
\*                                      (4) Horizontal Flame Test.

---

\*Marking                      General.

---

(Continued on Page 1452A)

Use

"Internal Wiring of Appliances"  
Tags may also indicate the following:  
"3500 V peak for electronic use only."  
In addition, the tag may also indicate the  
following: Suitable for

- a) Immersion in gasoline.
- b) Exposure to gasoline vapor.
- c) Immersion in oil at 60 deg. C or  
80 deg. C (whichever is applicable).

Style 1453                      Similar to Type THHN.

---

Rating                              90 deg. C, 1000 Volts.

---

Conductor                          No. 10 AWG, solid or stranded, tinned or bare copper.

---

Insulation                          Nominal 20 mil (minimum 18 mil) thermoplastic (PVC).

---

Covering  
\*                                      Extruded Nylon in 4 mil minimum thickness.  
   Section G for compound.

---

\*Standard                          Appliance Wiring Material UL 758.

---

Instructions  
to UL                                  Detailed Examination.  
\*Representative                      Tensile Strength and Elongation of  
\*    Insulation, same as for Class 43.  
\*    Dielectric Strength.  
\*    Insulation Resistance at room temperature per  
\*    UL 1063 Spark Test.

---

UL                                      (4) Detailed Examination.  
Counter-Check                      (4) Tensile Strength and Elongation of  
\*Program                              Insulation, Class 43.  
\*    (4) Heat Shock.  
\*    (4) Deformation.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                              General.

---

Use                                      "Internal Wiring of Appliances"  
   In addition, the tag may also indicate the  
   following: Suitable for  
   a) Immersion in gasoline.  
   b) Exposure to gasoline vapor.  
   c) Immersion in oil at 60 deg. C or  
   80 deg. C, (whichever is applicable).

---





Style 1454 Polyethylene - Insulated, Shielded and Thermoplastic  
(PVC) Jacketed Cable.

Rating 60°C, 30 Volts.

Conductor No. 20-30 AWG copper-clad steel, bare, tinned or silver-coated, having a minimum 40 percent conductivity, or copper alloy silver coated having a minimum 40 percent conductivity.

Insulation Over the conductor shall be applied a spiral wrap of flame retardant polyethylene thread, a minimum 13 mils in diameter. This assembly shall be enclosed with a flame retardant polyethylene tube having a minimum 13 mil wall at any point.

Drain Wire (Optional) A drain wire spirally wrapped over the tube shall consist of a No. 29 silver plated copper alloy.

Shielding A shield over the insulation or optional drain wire shall consist of a bare or tinned copper braid.

\*Jacket PVC, 9 mils minimum average, 8 mils minimum at any point.

Standard Appliance Wiring Material, UL 758.

Instructions to UL Representative Detailed Examination. Tensile Strength and Elongation of Jacket, Class 43. Spark Test, 1000 volts, shall be applied between shielding and electrode contacting outer surface of jacket.

UL Counter-Check Program (4) Detailed Examination.  
(4) Physical Properties of Polyethylene Tube.  
(4) Physical Properties of Jacket, Class 43.  
(4) Cold Bend (applicable to jacket only).  
(4) Horizontal Flame Test.

Marking General.

Use In electronic equipment where exposed to a temperature not exceeding 60°C and where the jacket is exposed to a maximum operating potential of 30 volts.



Style 1455 Thermoplastic (polysulfone) Insulated Wire for  
use in Vacuum Cleaner Power Hose.

---

Rating 105°C, no voltage rating.

---

Conductor (A) Solid rectangular shaped copper conductor  
equivalent to Nos. 26-19 AWG, maximum thickness  
of copper conductor is 12 mils, width of  
conductor variable.

(B) Same as above, except equivalent to Nos. 16-18  
AWG maximum thickness of copper conductor is 15  
mils, width of conductor variable.

---

Insulation (A) Nominal extruded 8 mil, minimum 6 mil  
wall polysulfone.

(B) Nominal extruded 10 mil, minimum 8 mil  
wall polysulfone.

---

Covering None.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except using Mandrel two times  
Representative minor diameter of finished wire.  
\* Spark Test, 2000 volts.

---

UL (4) Detailed Examination.

Counter-Check (4) Age 60 days in air oven at 113°C after which  
\*Program samples shall be flexed as described on except using  
Mandrel two times minor diameter of finished wire.

\* (4) Heat Shock, except at 136°C.

\* (4) Cold Bend.

\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In Vacuum Cleaner Power Hose.

Style 1456 Thermoplastic "Kynar" (Polyvinylidene Fluoride Resin)  
Insulated Wire.

---

Rating 105°C, No voltage rating.

---

Conductor (A) Solid rectangular shaped copper conductors equivalent to Nos. 26-19 AWG, maximum thickness of copper conductor is 12 mils, width of conductor variable.

(B) Same as above, except equivalent to Nos. 16-18 AWG, maximum thickness of copper conductor is 15 mils, width of conductor variable.

---

Insulation (A and B) Extruded 10 mil minimum average, 8 mil minimum at any point wall polyvinylidene fluoride resin.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except using Mandrel two times minor diameter of finished wire. Spark test, 2000 volts.  
Representative diameter of finished wire. Spark test, 2000 volts.  
\* Tensile Strength and Elongation, as received. (4500 psi and 100 per cent elongation minimum acceptable values.)

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air oven at 113°C after which samples shall be flexed as described on except using Mandrel two times minor diameter of finished wire.  
\*Program (4) Tensile strength and elongation, same as above.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In a vacuum cleaner power hose.

Style 1457                      Nominal 5-mil Wall Polyimide ("Kapton" Type F) Insulated  
Wire for Back Panel Use.

---

Rating                              200°C No voltage rating.

---

Conductor  
\*                                      No. 32-20 AWG consisting of solid or stranded tinned,  
silver plated or nickel plated copper.

---

Insulation                              Nominal 5 mil bonded tape of Polyimide film "Kapton" Type F  
in the form of a spiral wrap, 4 mil wall minimum.

---

Covering                              1/2 mil either a Fluorocarbon Overcoat or a  
Polytetrafluoroethylene tape wrap. An optional 1/2 mil  
min. of Polyimide resin may be employed.

---

\*Standard                              Appliance Wiring Material UL 758.

---

Instructions                              Detailed Examination.  
\*to UL                                      Flexing, except using Mandrel two times  
Representative                              diameter of wire.  
\*    Spark Test, 2000 Volts.

---

UL    (4) Detailed Examination.  
Counter-Check                              (4) Age 96 hours in air-oven at 260°C after which samples  
\*Program                                      shall be flexed, except using Mandrel two times  
    diameter of wire.  
\*    (4) Heat Shock, except at 260°C.  
\*    (4) Cold Bend.  
\*    (4) Horizontal Flame Test.

---

\*Marking                                      General.

---

Use    In back panel areas of electronic computers and business  
machines where not subjected to movement or mechanical  
damage.

Style 1458 "Teflon" (TFE or FEP) Insulated and PVC jacketed, wire.

---

Rating 60-105°C, 300 Volts.

---

\*Conductor No. 32-16 AWG, solid or stranded, tinned or bare.

---

Insulation Extruded "Teflon" (TFE or FEP). 15 mils min avg (13 mils at any point).

---

\*Shielding Optional.

---

Jacket Thermoplastic PVC - 15 mils min avg (13 mils at any point) Class 43.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Tensile Strength and Elongation of Insulation.  
Representative Tensile Strength and Elongation of Jacket, same as for  
\* Class 43.  
\* Spark Test, 3000 Volts.

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UL (4) Detailed Examination.  
\*Counter-Check (4) Tensile Strength and Elongation of Insulation.  
Program (4) Tensile Strength and Elongation of Jacket, same as for  
\* Class 43.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

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\*Marking General.

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Use Internal wiring of electronic equipment.

Style 1459 Flame Retardant, Solid Polypropylene.

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Rating 80°C, 300 V.

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Conductors No. 16-22 AWG Material - Copper or Copper Alloy - Bare  
\* and Tin or Silver Coated - Solid or Stranded.

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Insulation Flame Retardant, Solid Polypropylene  
Wall thickness nominal 1/32 in.

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\*Standard Appliance Wiring Material UL 758.

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Instructions Detailed Examination.  
\*to UL Dielectric Withstand Test.  
Representative As received only.  
Spark Test, 3000 V.

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UL (4) Detailed Examination.  
\*Counter-Check (4) Horizontal Flame Test.  
\*Program (4) Dielectric Withstand Test.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

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Use "Appliance Wiring Material For Use in Elevator Electronic  
Circuit Wiring, totally enclosed, not subjected to  
flexing, and at temperatures not exceeding 80°C".

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Style 1460	Polypropylene-Insulated, Shielded and Thermoplastic (PVC) Jacketed Cable.
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Rating	80°C, 150 Volts (Voltage rating applies to Jacket only).
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Conductor *	No. 20-29 AWG, copper-clad steel, bare, tinned or silver-coated, having a minimum 40 per cent conductivity.
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Insulation	Over the conductor shall be applied a spiral wrap of flame-retardant polypropylene thread nominally 15 mils in diameter, approximately 1/2 in. between turns. This assembly shall be enclosed with a flame-retardant polypropylene tube having an approximately 15 mil wall.
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*Shielding	A shield over the tube shall consist of a bare or tinned copper braid. A drain wire may be applied under the shield.
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Jacket	Thermoplastic (PVC), nominally 9 mils minimum (at any point) 8 mils, shall be the Outer Jacket.
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*Standard	Appliance Wiring Material UL 758.
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Instructions to UL Representative *	Detailed Examination. Tensile Strength and Elongation of Jacket, Class 43. * Spark Test, 3000 volts, shall be applied between shielding and electrode contacting outer surface or Jacket.
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UL Counter-Check Program * *	(4) Detailed Examination. (4) Physical Properties of Polypropylene Tube, see Facing Page. (4) Physical Properties of Jacket, Class 43 (rated 80°C). (4) Cold Bend (applicable to Jacket only). (4) Horizontal Flame Test.
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*Marking	General.
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Use	In electronic equipment where exposed to a temperature not exceeding 80°C and where the Jacket is exposed to a minimum operating potential of 150 Volts.
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Style 1461 Polypropylene-Insulated, Shielded and Thermoplastic (PVC) Jacketed Cable.

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Rating 80°C, 300 volts (voltage rating applies to Jacket only).

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Conductor \* No. 20-26 AWG copper-clad steel, bare, tinned or silver-coated, having a minimum 40 per cent conductivity.

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Insulation Over the conductor shall be applied a spiral wrap of flame-retardant polypropylene thread nominally 25 mils in diameter, approximately 1/2 in. between turns. This assembly shall be enclosed with a flame-retardant polypropylene tube having an approximately 20 mil wall.

---

Shielding A shield over the tube shall consist of a bare or tinned copper braid. A drain wire may be applied under the shield.

---

Jacket Thermoplastic (PVC), nominally 18 mils, minimum (at any point) 16 mils, shall be the outer jacket.

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\*Standard Appliance Wiring Material UL 758.

---

Instructions To UL Representative \* Detailed Examination.  
Tensile Strength and Elongation of Jacket, Class 43  
\* Spark Test, 3000 volts, shall be applied between shielding and electrode contacting outer surface of Jacket.

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UL Counter-Check Program (4) Detailed Examination.  
(4) Physical Properties of Polypropylene Tube, See Facing Page.  
\* (4) Physical Properties of Jacket, Class 43 rated 80°C.  
\* (4) Cold Bend (applicable to Jacket only).  
(4) Horizontal Flame Test.

---

\*Marking General.

---

Use In electronic equipment where exposed to a temperature not exceeding 80°C and where the Jacket is exposed to a maximum operating potential of 300 Volts.



Style 1462 Polypropylene-Insulated, Shielded and Thermoplastic (PVC) Jacketed Cable.

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Rating 80°C, 600 volts (voltage rating applies to Jacket only).

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Conductor \* No. 20-26 AWG copper-clad steel, bare, tinned or silver-coated, having a minimum 40 per cent conductivity.

---

Insulation Over the conductor shall be applied a spiral wrap of polypropylene thread nominally 35 mils in diameter, approximately 1/2 in. between turns. This assembly shall be enclosed with a polypropylene tube have an approximately 25 mil wall.

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Shielding A shield over the tube shall consist of a bare or tinned copper braid. A drain wire may be applied under the shield.

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Jacket Thermoplastic (PVC), nominally 32 mils, minimum (at any point) 28 mils, shall be the Outer Jacket.

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\*Standard Appliance Wiring Material UL 758.

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Instructions to UL \*Representative Detailed Examination. Tensile Strength and Elongation of Jacket, Class 43, Spark Test, 5000 Volts, shall be applied between shielding and electrode contacting outer surface of Jacket.

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UL Counter-Check Program (4) Detailed Examination.  
(4) Physical Properties of Polypropylene Tube, see Facing Page.  
(4) Physical Properties of Jacket, Class 43 (rated 80°C).  
\* (4) Cold Bend (applicable to Jacket only).  
\* (4) Horizontal Flame Test.

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\*Marking General.

---

Use In electronic equipment where exposed to a temperature not exceeding 80°C and where the Jacket is exposed to a maximum operating potential of 600 Volts.

Style 1463 Polyethylene-Insulated and PVC-Jacketed HV Cable.

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Rating 60°C, 5 kV dc.

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Conductor No. 26-16 AWG solid or stranded, tinned or bare copper.

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Insulation Nominal 16 mil (minimum 13 mil) wall, polyethylene.

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Jacket Nominal 16 mil (minimum 13 mil), thermoplastic (PVC) compound.

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\*Standard Appliance Wiring Material, UL 758.

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Instructions to UL Representative Detailed Examination.  
Tests.

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UL Counter-Check \*Program (4) Detailed Examination.  
(4) Tests.  
(4) Flame Test.

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Marking General.

---

Use Internal wiring of electronic equipment.

Style 1464 Polyethylene-Insulated and PVC Jacketed HV Cable.

---

Rating 80°C, 30 KV-DC.

---

Conductor No. 24-10 AWG solid or stranded, tinned or bare copper.

---

Insulation Nominal 35 mil (minimum 30 mil) wall, polyethylene with or without flame retardant additive.

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Jacket Nominal 20 mil (minimum 17 mil) Thermoplastic PVC) compound Class 43 (80°C).

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\*Standard Appliance Wiring Material UL 758.

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Instructions Detailed Examination.  
to UL Tensile Strength and Elongation, and flexing  
\*Representative as received.  
\* Surface Leakage Test.  
\* Dielectric Strength Test.

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UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation, and flexing  
\*Program as received and aged.  
(4) Flame Test - per GTO Standard.  
\* (4) Dielectric Strength Test.

---

\*Marking General.

---

Use Internal Wiring of electronic equipment.

Style 1465 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Electrically Heated Pads.

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Rating 105°C, 125 V.

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Conductor Bronze conductor, No. 36 AWG, or Stainless Steel  
No. 39 AWG wound 30 to 70 turns per inch on a core  
of Fortisan, Dacron, Orlon, or Fiberglas.

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Insulation PVC, Class 43; 30 mils min average, 27 mils min at any  
point.

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\*Standard Appliance Wiring Material UL 758.

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Instructions to UL  
\*Representative  
\*  
\* Detailed Examination.  
Tensile Strength and Elongation of  
Insulation, Class 43.  
Spark Test, 6000 V.  
Dielectric Strength, 1500 V.  
Insulation Resistance, 1 megohm-1000 ft using  
Column IV, Table 18 for temperature  
correction factors, UL 83.

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UL Counter-Check  
\*Program  
\*  
\* (4) Detailed Examination, UL 62.  
(4) Tensile Strength and Elongation of  
Insulation, Class 43.  
(4) Heat Shock at 136°C.  
(4) Cold Bend at minus 20°C.

---

\*Marking General.

---

Use In electrically heated pads, and where the  
acceptability of the combination has been determined  
by Underwriters Laboratories Inc.

Style 1466 Minimum 36-Mil Thermoplastic Polyethylene Insulation,  
Lacquered Rayon Braid, Shield and A minimum 16  
mil PVC Jacket.

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Rating 60°C, 300 Volts, (Voltage rating applies to Jacket only)

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Conductor No. 26-16 AWG. Solid or stranded, tinned or bare,  
\* copper or copper-clad steel.

---

Insulation Minimum 36-mil wall of Cellular Polyethylene.

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Covering Lacquered Rayon Braid.

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Shielding Over Rayon Braid, consisting of No 36-30 AWG copper applied  
as a wrap or braid; or Mylar-foil wrap with drain wire.

---

Jacket Minimum 16 mil wall of Thermoplastic (PVC), Class 43.

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\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of Jacket, same as  
\*Representative for Class 43.  
\* Spark Test, 3000 Volts.

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UL (4) Detailed Examination.  
Counter-Check (4) Jacket, Physical Properties, Class 43.  
\*Program (4) Flexibility.  
\* (4) Cold Bend.  
\* (4) Horizontal Flame Test.

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\*Marking General.

---

Use Internal wiring of electronic equipment.

Style 1467 Composite insulation of Polyurethane, served polyester fiber and Methacrylate.

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Rating 105°C, no voltage rating.

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Conductor Nos. 26-32 AWG solid or stranded, silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy, silver plated cadmium bronze copper alloy, silver plated copper-clad steel, or tinned copper.

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Insulation 4 - mil minimum total thickness, consisting of a 1-1/2 mil minimum thickness of polyurethane over the conductor, and 2-1/2 mil minimum thickness of served polyester fiber and methacrylate over-coat. See facing Page for compound identification.

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\*Standard Appliance Wiring Material UL 758.

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Instructions Detailed Examination.  
\*to UL Flexing, except use mandrel two times  
Representative diameter of wire.  
\* Spark Test, 2000 Volts.

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UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air oven at 113°C after which  
Program samples shall be flexed, except using mandrel two times  
diameter of wire, the insulation shall not crack.  
\* (4) Heat Shock, using a 1/8 inch diameter mandrel.  
\* (4) Cold Bend, using a 1/8 inch diameter mandrel.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage.



Style 1468 Composite insulation of Polyurethane, served polyester fibers and Methacrylate.

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Rating 105°C, no Voltage rating.

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Conductor Nos. 20-26 AWG solid or stranded, silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy, silver plated cadmium bronze copper alloy, silver plated copper-clad steel, or tinned copper.

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Insulation 5-1/2 mil minimum total thickness, consisting of a 2 mil minimum thickness of Polyurethane over the conductor, and a 3-1/2 mil minimum thickness of served polyester fiber and methacrylate over-coat. See Facing Page for compound identification.

---

\*Standard Appliance Wiring Material UL 758.

---

Instructions Detailed Examination.  
\*to UL Flexing, except use mandrel two times  
Representative diameter of wire.  
\* Spark Test, 2000 Volts.

---

UL (4) Detailed Examination.  
Counter-Check (4) Age 60 days in air oven at a 113°C after which  
Program samples shall be flexed, except using mandrel  
\* two times diameter of wire, the insulation  
shall not crack.  
\* (4) Heat Shock, using a 3/16 inch diameter mandrel.  
\* (4) Cold Bend, using a 3/16 inch diameter  
mandrel.  
\* (4) Horizontal Flame Test.

---

\*Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage.

Style 1469	Single-Conductor Polyethylene Insulated Flat Cable.
Rating	80°C, no voltage assigned.
Conductor	Aluminum, 1.000 +/- 0.010 inches wide by 0.010 +/- 0.001 inches thick.
Insulation	Flame Retardant Polyethylene tape with a 6 mil minimum wall. The tape is bonded for a minimum width of 40 mils along each of the two long edges.
*Standard	Appliance Wiring Material UL 758.
Instructions to UL Representative	Detailed Examination. Dielectric Strength. Immerse 3 three foot lengths of the cable, except for six inches at each end, in water one hour at room temperature. While still immersed, apply a gradually increasing ac potential from 0 to 900 volts between the conductor and an electrode in the water. Hold 900 Volts for one minute. Insulation shall not crack when cable is flexed flatwise into a U-bend around a 1/8 in. diameter mandrel.
UL Counter-Check Program	(4) Detailed Examination. (4) Cold Bend. Insulation shall not crack when cable is flexed into a U bend around a 1/2 in. diameter mandrel and taped into place. The cable shall be allowed to cool at minus 20°C for one hour. (4) Age 60 Days at 87°C and subject to dielectric strength test described above.
*	(4) Horizontal Flame Test. One length of the cable shall be supported flat with the test flame applied in the center of the width, another length of the cable held on the edge with the test flame applied on the lower edge.
*Marking	General.
Use	For use in protected locations in data processing equipment and office appliances; and where not subjected to repeated flexing over a surface of less than 1-1/2 inches in diameter of where not exposed to temperatures exceeding 80°C.

Style 1470 4 mil nominal wall of Polyimide film "Kapton" Type F.

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Rating 150°C, voltage rating not specified.

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Conductor No. 32-20 AWG solid or stranded silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy or silver plated cadmium bronze copper alloy.

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Insulation Nominal 4 mil bonded tape of Polyimide film "Kapton" Type F in the form of a spiral wrap, 3 mil wall minimum.

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Covering Optional 1/2 mil minimum of modified Polyimide resin.

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\*Standard Appliance Wiring Material, UL 758.

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Instructions to UL Representative Detailed Examination.  
Flexing, except use mandrel two times diameter of wire.  
Spark Test, 2000 volts.

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UL Counter-Check \*Program (4) Detailed Examination.  
(4) Age 60 days in air oven at 150°C after which samples shall be flexed as described except using mandrel two times diameter of wire, the insulation shall not crack.  
(4) Heat Shock, except at 150°C.  
(4) Cold Bend, using a 1/16 in. diameter mandrel.  
(4) Horizontal Flame Test.

---

Marking General.

---

Use In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage and where exposed to temperatures not exceeding 150°C.

Style 1471 Thermoplastic (PVC) - Insulated Heating Wire  
For Use In Electrically Heated Pads.

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Rating 105°C, 125 V.

---

\*Conductor Copper-Nickel, Chrome-Iron Alloy or Phosphor-Bronze Alloy  
conductor, No. 38 to 33 AWG, wound 20 to 45 turns per in  
on a core of Fortisan, Dacron, Orlon, Fiberglass, Rayon or  
Polyester.

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Insulation Min average 43 mil (38 mils min at any point)  
thermoplastic (PVC).

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\*Standards Appliance Wiring Material UL 758.

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Instructions Detailed Examination.  
to UL Tensile Strength and Elongation of  
\*Representative Insulation.  
\* Spark Test, 6000 V.  
\* Dielectric Strength, 1500 V.  
Insulation Resistance, 1 megohm-1000 ft using  
Column IV, Table 29.8 for temperature  
correction factors, UL 83.

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UL (4) Detailed Examination.  
Counter-Check (4) Tensile Strength and Elongation of  
\*Program Insulation.  
\* (4) Heat Shock at 136°C.  
\* (4) Cold Bend at minus 20°C.

---

\*Marking General.

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Use In electrically heated pads, and where the  
acceptability of the combination has been determined  
by Underwriters Laboratories Inc.