

Cordage Recommendations

European "Harmonized" Cordage

CENELEC publications HD-21 and HD-22 outline construction of PVC jacketed and rubber-jacketed cordage respectively.

HD-21 recommendations for PVC jacketed cordage:

H05VV-F...(rated 300/500V): Ordinary PVC sheathed flexible cable for use in offices, domestic premises, kitchens, for medium duties, i.e., washing machines, spin dryers, refrigerators. Permitted for cooking and heating appliances, providing that cable is not in contact with hot parts and is not subject to radiation, etc. (*NOT suitable for outdoor use.*)

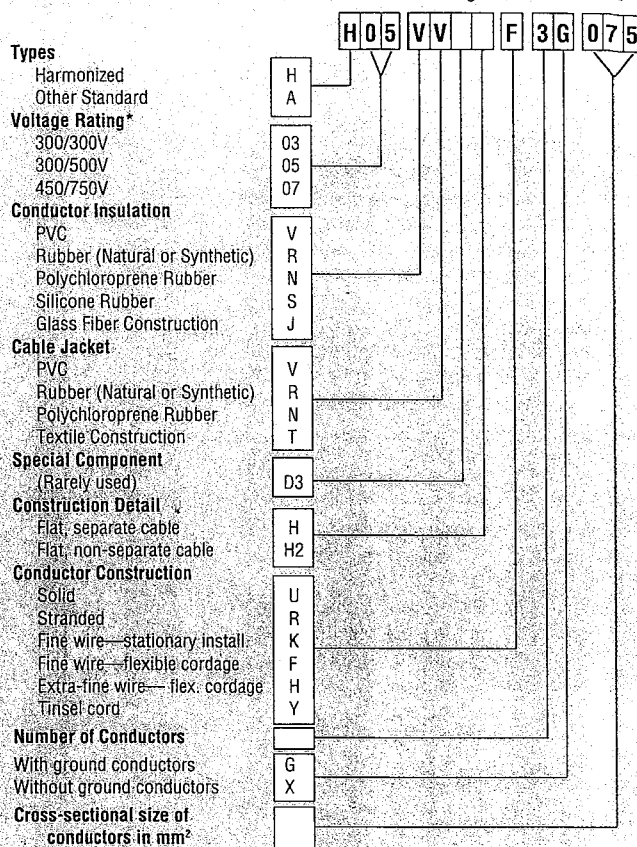
HD-21 recommendations for rubber jacketed cordage:

H05RN-F...(rated 300/500V): This is flexible rubber insulated cable intended for connecting lightweight hand and portable equipment subjected to low mechanical stresses in an open air environment, e.g., as connection leads for outdoor appliances, and in workshops. Not suited for use in agricultural applications or where there is risk of fire or explosion.

H07RN-F...(rated 450/750V): This is flexible rubber insulated cable for products subjected to medium mechanical stresses in dry and damp places. Use as supply leads for transportable motors, appliances, hand-held lamps, electric tools and machines on building sites, in agricultural use, workshops, and utility water equipment. Permissible for installation on plaster and direct installation on structural parts of hoists and other heavy machines.

Harmonized Wire Coding System

This chart illustrates the Harmonization code for cordage "H05VV3G0.75" —



North American Cordage

National Electric Code guides for use of Flexible Cords and Cables includes PVC and Rubber Types (excerpt from Article 400)

Use on "pendants" (hanging fixtures such as lights), connection of portable lamps or appliances; wiring of cranes and hoists; connection of stationary equipment to facilitate frequent interchange. (This cordage may **not** be used as a substitute for fixed wiring of a structure where it is run through walls, ceilings or attached to building surfaces.)

PVC jacketed cordage:

SJT: Trade Name: "Junior Hard Service." Outer covering is thermoplastic; insulation is thermoplastic or thermoset. For pendant or portable use, damp locations, for hard usage.

SVT: Trade Name: "Vacuum Cleaner Cord." Outer covering is thermoplastic; insulation is thermoset or thermoplastic. For pendant or portable use, damp locations, not for hard usage.

Rubber jacketed cordage:

SO: Trade Name: "Hard Service Cord." Outer covering is oil resistant thermoset; insulation is thermoset. For pendant or portable use, damp locations, for extra hard usage. Permitted for use on theater stages, in garages, etc.

SEO: Trade Name: "Hard Service Cord." Outer covering is thermoplastic elastomer; insulation is thermoplastic elastomer. For pendant or portable use, damp locations, for extra hard usage.



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