

30.6 When the material through which the cord or wiring passes is wood, porcelain, phenolic composition, or other insulating material, not less than 3/64 inch (1.2 mm) thick, a smoothly rounded surface is determined to be equivalent to a bushing.

30.7 Ceramic materials and molded urea, phenolic, and melamine compositions are determined to meet the intent of the requirement for insulating bushings; a bushing of wood or rubber is not usable. Other compositions are able to be used when they have been investigated and found usable for the application.

30.8 A hard-fiber bushing is able to be employed when the bushing is not less than 3/64 inch (1.2 mm) thick.

30.9 An insulated metal grommet is usable in place of an insulating bushing when the insulating material used is not less than 1/32 inch (0.8 mm) thick and completely fills the space between the grommet and the metal in which it is mounted.

30.10 Polymeric sleeving shall not be used for reducing the risk of cutting or abrasion of wiring. Fiberglass sleeving not less than 0.010 inch (0.25 mm) thick is capable of being used.

30.11 A bushing shall be securely held in place.

31 Power-Supply Cords

31.1 A portable luminaire shall be provided with a power supply cord consisting of one of the types of flexible cords specified in Table 31.1 and an attachment plug rated as required for the application.

Exception: A power-supply cord complying with Alternate Power-Supply Connections, Section 34, is not required to comply with this requirement.

Table 31.1
Flexible cord types

S	SJ	SP-2	SV ^a
SE	SJE	SPE-2	SVE ^a
SEO	SJEO	SPT-2	SVEO
SO	SJO		SVO ^a
SOO	SJOO		SVOO ^a
ST	SJT		SVT ^a
STO	SJTO		SVTO ^a
STOO	SJTOO		SVTOO ^a

^a Individual conductors shall be provided with supplementary insulation or spaced away from metal.

31.2 A power-supply cord shall not be smaller than No. 18 AWG (0.82 mm²).

31.3 A power-supply cord shall be at least 5 feet (1.5 m) long measured from the point where the cord emerges from the body of the lamp to the face of the attachment plug or connector.

Exception: A power-supply cord in accordance with Alternate Power-Supply Connections, Section 34, is not required to comply with this requirement.