

**N** **TABLE 400.50** *Portable Power Feeder Cables*

Trade Name	Type Letter	Voltage	AWG or kcmil	Insulation	Outer Covering	Ground Check Conductor	Grounding Conductor	Shielded	Multiconductor Configuration
Portable Power Feeder Cables	G	2001–5000	8–4/0	Thermoset	Heavy duty or extra heavy duty Thermoset	No	Yes	Yes	Two parallel power conductors with a single grounding conductor
	SHD-PCG	2001–5000	3–4/0	Thermoset	Heavy duty or extra heavy duty Thermoset	No	Yes	Individually shielded power conductors	Round three power conductors that are separately covered with insulation, a tape, and a metallic shield, grounding conductor, and one or more control conductors under a unit jacket.
	SH	2001–25,000	6–500	Thermoset	Heavy duty or extra heavy duty Thermoset	No	No	Yes	N/A
	SHD	2001–25,000	6–500	Thermoset	Heavy duty or extra heavy duty Thermoset	No	Yes	Individually shielded power conductors and grounding conductors	Round three power conductors that are separately covered with insulation, a tape, and a shield, and three grounding conductors, one in each interstice.
	SHD-GC	2001–25,000	6–500	Thermoset	Heavy duty or extra heavy duty Thermoset	Yes	Yes	Individually shielded power and grounding conductors	Round three power conductors that are separately covered with insulation, a tape, and a shield, and two grounding conductors and one ground-check conductor
	SHD-CGC	2001–5000	8–500	Thermoset	Heavy duty or extra heavy duty Thermoset	Yes	Yes	Individually shielded power conductors, grounding conductors, and one ground-check conductor in center	Round three power conductors that are separately covered with insulation, a tape, and metal shield, three grounding conductors, and one center ground-check conductor.

temperature correction factors from Table 400.51(A)(2) that correspond to the differing ambient temperature shall be applied to the ampacity in Table 400.51(A)(1). Where the cable will not be completely unwound from the cord reel, the ampacity correction factor based on the number of layers remaining wound on a reel shall be applied as shown in Table 400.51(A)(3).

**N (B) Engineering Supervision.** Under engineering supervision, conductor ampacities shall be permitted to be calculated in accordance with 310.14(B).

#### **N 400.52 Markings**

**N (A) Required Markings.** Portable power feeder cables shall be marked by means of a printed tag attached to the coil reel or carton. The tag shall contain the information required in 310.8(A). Types G, SHD-PCG, SH, SHD, SHD-GC, and SHD-CGC portable power

feeder cables shall be durably marked on the surface at intervals not exceeding 610 mm (24 in.) with the following:

- (1) The maximum rated voltage
- (2) The proper type letter or letters for the type of portable power feeder cable as specified elsewhere in this *Code*
- (3) The manufacturer's name, trademark, or other distinctive marking by which the organization responsible for the product can be readily identified
- (4) The AWG size or circular mil area
- (5) Maximum operating temperature

**N (B) Optional Markings.** Portable power feeder cables listed in Table 400.50 shall be permitted to be surface marked to indicate special characteristics of the cable materials. These markings shall be permitted to include, but are not limited to, markings for limited smoke, sunlight resistance, and so forth.