

- PURPOSE:** To provide the specification for power supply cord for use with Harrington's electric chain hoists.
- SCOPE:** Multi-conductor, 600 volt, Type STOW cable with polyvinyl chloride (PVC) insulated circuit conductors, with an overall polyvinyl chloride (PVC) jacket. The cable shall be hard service cord designed for extra hard usage in applications with continuous flexing conditions. Applications include festooning systems, pendant stations, power tracks, cranes and hoists, power carriage systems, retractable reels, and other extreme flexing applications.
- CONDUCTOR:** Class M, flexible stranded, soft drawn, bare copper per ASTM B 3, and ASTM B 174.
- INSULATION:** Heat and moisture resistant, polyvinyl chloride meeting the requirements of UL 62 and CSA C22.2 No 49 for Type STOW wires. The insulation shall be acceptable for use in locations from -40 to 105° C. The insulation thickness shall be in accordance with Table 16.3 of UL 62.
- ASSEMBLY:** The insulated circuit conductors shall be cabled together with flame resistant, non-hygroscopic fibrillated polypropylene fillers. The cable core shall be coated with talc and wrapped with a polyester fabric tape. See Fig. 1 on page 2.
- COLOR CODE:** 1-Black, 2-White, 3-Red, 4-Green. See Fig 1 on page 2.
- JACKET:** Heat and moisture resistant, black polyvinyl chloride meeting the requirements of UL 62 and CSA2.2 No. 49. The thickness shall be in accordance with Table 28.1 of UL 62.
- CERTIFICATION:** Shall be certified to the UL and CSA standards applicable for STOW type cord.
- MARKING:** The overall jacket shall be marked to indicate (a) number and size of conductor, (b) temperature range, (c) voltage rating, (d) UL and CSA certification, (e) STOW cord type, (f) flame retardant, (g) flame rating, (h) "CALL HARRINGTON HOISTS 1-800-233-3010".
- DIMENSIONS & WT:** See Table 1 on page 2.

Table 1

NUMBER & Circuit Conductor Size (AWG)		Average Insulation Thickness (mils)	Average Jacket Thickness (mils)	Nominal Cable O.D. (in.)	Maximum Cable O.D. (in.)	Nominal Cable Weight (lbs/Mft)	Allowable Ampacity (amps)*
Size	Strand						
4/C #14	105/34	45	80	0.610	0.620	187	14/4

* Per NEC Table 400.5(A) – Allowable Ampacity for Flexible Cords and Cables Based on Ambient Temperature of 30C. Ampacity above assumes 1 conductor used as a ground or neutral and does not carry any current.

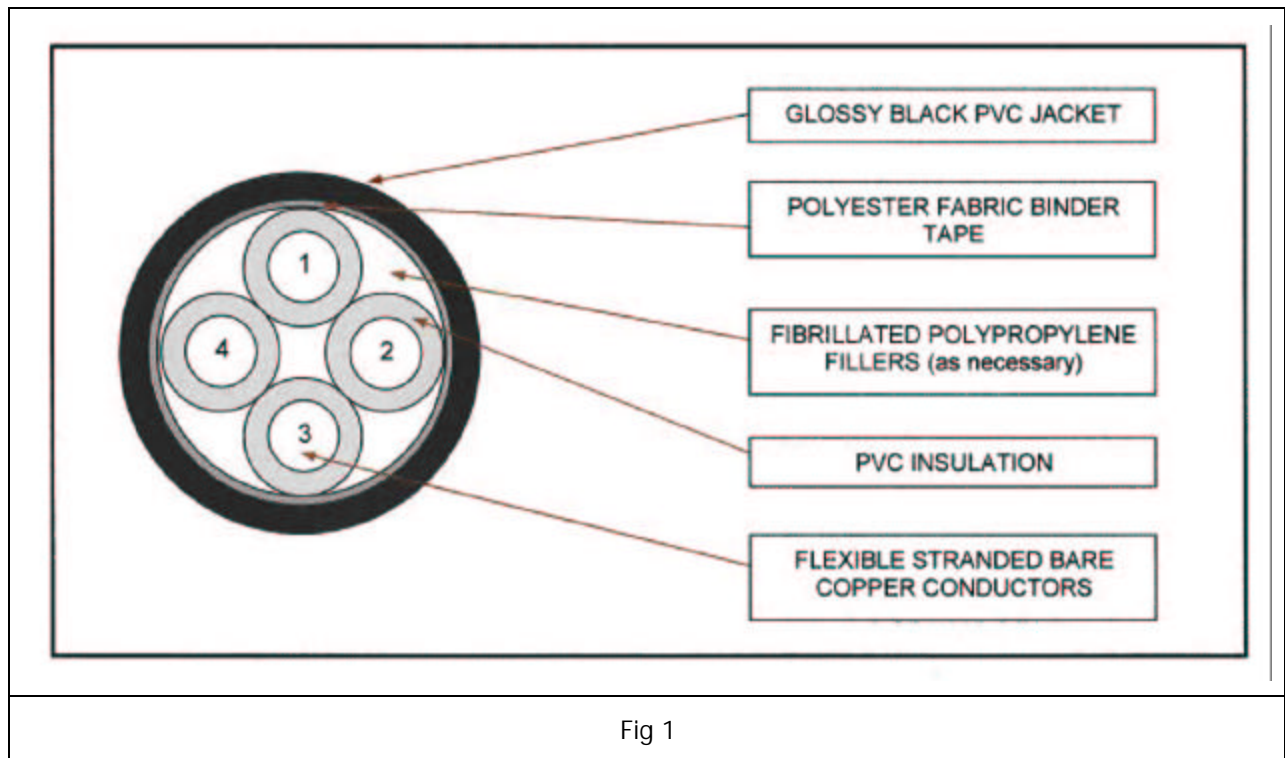


Fig 1