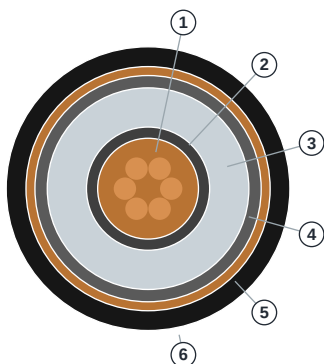




5/8kV Medium-Voltage Power Cable

Copper · Compressed · NL-EPR · 133/100% IL · LSZH-TP



CONSTRUCTION

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|------------------------------|---|
| 1. Conductor | Class B compressed stranded bare copper per ASTM B3 and ASTM B8 (Tinned Copper per ASTM B33 optional) |
| 2. Conductor Shield | Semi-conducting cross-linked copolymer |
| 3. Insulation | 115 Mils No Lead Ethylene Propylene Rubber (NL-EPR) 133% Insulation Level, |
| 4. Insulation Shield | Strippable semi-conducting cross-linked copolymer |
| 5. Copper Tape Shield | Helically wrapped 5 mil copper tape with 25% overlap |
| 6. Overall Jacket | Thermoplastic Low Smoke Zero Halogen (LSZH-TP) |

APPLICATIONS & FEATURES

Tanner's 5KV cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial when installed with a grounding conductor in close proximity that conforms to NEC section 311.36 and 250.4(A)(5), and where superior electrical properties are desired. These cables are capable of operating continuously at the conductor temperature not in excess of 105°C for normal operation, 140°C for emergency overload, and 250°C for short circuit conditions. Rated at -25°C for cold bend. ST1 (low smoke) Rated for sizes 1/0 and larger. Rated for 1000 lbs./FT maximum sidewall pressure.

SPECIFICATIONS & STANDARDS

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| <ul style="list-style-type: none">• ASTM B3 Soft or Annealed Copper Wire• ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire• UL 1685 FT4-ST1 Vertical-Tray Fire Propagation and Smoke Release Test (1/0 and Larger)• CSA C22.2 No. 2556 / UL 2556 Cable Test Methods• ICEA S-93-639 (NEMA WC 74) 5-46 KV Shielded Power Cable• IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test (1/0 and Larger)• Requirements) | <ul style="list-style-type: none">• ASTM B8 Concentric-Lay-Stranded Copper Conductors• UL 1072 Medium-Voltage Power Cables• CSA C22.2 No.230 Tray Cables - Rated TC-ER (1/0 AWG and Larger)• CSA C68.10 Shielded Power Cables for Commercial and Industrial Applications - 5 to 46 KV• ICEA S-97-682 Standard for Shielded Utility Cable Rated for 5 - 46kV• AEIC CS-8 Specification for extruded dielectric shielded power cables rated for 5 through 46KV (Qualification Test• Made in America: Compliant with both Buy American and Buy America Act (BAA) requirements per 49 U.S.C. § 5323(j) and the Federal Transit Administration Buy America requirements per 49 C.F.R. part 661 |
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TABLE 1 — DIMENSIONS & WEIGHTS

Tanner Part No.	Size AWG/kcmil	Tension lb	Bending Radius inch	Size inch
05C-CRNDZ-462M	462	530	9.0	2.5
05C-CRNDZ-477M	477	669	9.3	2.5
05C-CRNDZ-758M	758	1064	10.9	3.0
05C-CRNDZ-836M	836	1342	11.5	3.0
05C-CRNDZ-1047M	1047	1692	12.0	3.0
05C-CRNDZ-1194M	1194	2000	12.6	3.0
05C-CRNDZ-1553M	1553	2800	13.8	3.5
05C-CRNDZ-2081M	2081	4000	15.3	4.0
05C-CRNDZ-2967M	2967	6000	17.9	4.5

TABLE 2 — ELECTRICAL & ENGINEERING DATA

Tanner Part No.	Size AWG/kcmil	Amp	Amp
05C-CRNDZ-1920M	1920	145/155	190/215



Tanner Part No.	Size AWG/kcmil	Amp	Amp
05C-CRNDZ-2044M	2044	170/180	225/250
05C-CRNDZ-2302M	2302	220/235	300/330
05C-CRNDZ-2459M	2459	250/270	345/385
05C-CRNDZ-2633M	2633	290/310	400/445
05C-CRNDZ-2800M	2800	320/345	445/495
05C-CRNDZ-3120M	3120	385/415	550/615
05C-CRNDZ-3516M	3516	470/505	695/775
05C-CRNDZ-4102M	4102	585/630	900/1000