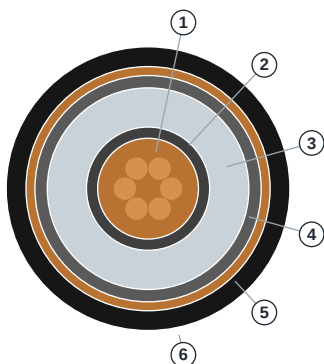




35kV Medium-Voltage Power Cable

Copper · Compressed · NL-EPR · 133% IL · CPE-TP



CONSTRUCTION

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| 1. Conductor | Class B compressed stranded bare copper per ASTM B3 and B8 (Tinned Copper per ASTM B33 optional) |
| 2. Conductor Shield | Semi-conducting cross-linked copolymer |
| 3. Insulation | 420 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 Chlorinated Polyethylene (CPE-TP) |

APPLICATIONS & FEATURES

Tanner's 35KV cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, 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 -35°C for cold bend when UL listed. Rated at -25°C for cold bend and cold impact and marked with "LTDD" when CSA listed or dual UL/CSA listed. Rated for 1000 lb/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 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) |
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TABLE 1 — DIMENSIONS & WEIGHTS

Tanner Part No.	Size AWG /kcmil	Count No. of Strands	Over Conductor inch	Over Insulation inch	Insulation Shield inch	Thickness mil	OD inch	Weight lb/1000ft	Weight lb/1000ft	Tension lb	Bending Radius inch	Size inch
05G-CRN3C-0100	1/0	19	0.361	1.239	1.299	80	1.479	351	1207	844	17.7	4.5
05G-CRN3C-0200	2/0	19	0.405	1.283	1.343	80	1.523	436	1333	1064	18.2	4.5
05G-CRN3C-0300	3/0	19	0.456	1.334	1.394	80	1.574	545	1488	1342	18.8	4.5
05G-CRN3C-0400	4/0	19	0.512	1.390	1.450	80	1.630	682	1676	1692	19.5	4.5
05G-CRN3C-250M	250	37	0.558	1.444	1.504	110	1.744	801	1950	2000	20.9	5.0
05G-CRN3C-250MT	250	37	0.558	1.444	1.504	110	1.744	801	1950	2000	20.9	5.0
05G-CRN3C-350M	350	37	0.661	1.547	1.607	110	1.847	1113	2364	2800	22.1	5.5
05G-CRN3C-500M	500	37	0.789	1.652	1.712	110	1.952	1677	2995	4000	23.4	5.5
05G-CRN3C-750M	750	61	0.968	1.864	1.924	110	2.164	2354	3926	6000	25.9	6.0
05G-CRN3C-1000M	1000	61	1.117	2.013	2.073	110	2.313	3129	4851	8000	27.7	
05G-CRN3C-1250M	1250	91	1.250	2.150	2.210	110	2.450	3903	5765	10000	29.4	