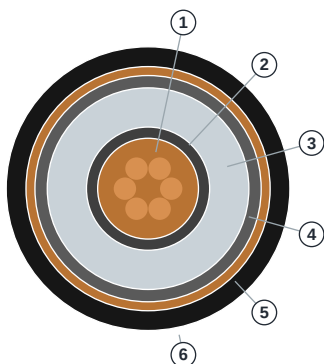




35kV Medium-Voltage Power Cable

Copper · Compressed · TRXLPE · 133% IL · SIM-PVC



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 | 420 Mils Tree Retardant Cross Linked Polyethylene (TRXLPE) 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 | Polyvinyl Chloride (PVC) |

APPLICATIONS & FEATURES

Tanner's 35KV cables are suited for use in wet and dry areas, conduits, ducts, troughs, 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 -35°C for cold bend. PVC jacket is made with SIM technology and has a coefficient of friction COF of 0.2. Cable can be installed in conduit without the aid of lubrication. Rated for 1000 lbs./FT maximum sidewall pressure.

SPECIFICATIONS & STANDARDS

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| • ASTM B3 Soft or Annealed Copper Wire | • ASTM B8 Concentric-Lay-Stranded Copper Conductors |
| • ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire | • UL 1072 Medium-Voltage Power Cables |
| • ICEA S-93-639 (NEMA WC 74) 5-46 KV Shielded Power Cable | • 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 | • Requirements) |
| • 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 | |

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-CRX3S-0100	1/0	19	0.361	1.240	1.300	80	1.480	429	1145	844	17.7	4.5
05G-CRX3S-0200	2/0	19	0.405	1.284	1.344	80	1.524	517	1267	1064	18.2	4.5
05G-CRX3S-0300	3/0	19	0.456	1.334	1.394	80	1.574	628	1416	1342	18.8	4.5
05G-CRX3S-0400	4/0	19	0.512	1.390	1.450	80	1.630	767	1598	1692	19.5	4.5
05G-CRX3S-250M	250	37	0.558	1.444	1.504	110	1.744	890	1861	2000	20.9	5.0
05G-CRX3S-350M	350	37	0.661	1.527	1.587	110	1.827	1205	2244	2800	21.9	5.5
05G-CRX3S-500M	500	37	0.789	1.652	1.712	110	1.952	1685	2826	4000	23.4	5.5
05G-CRX3S-750M	750	61	0.968	1.864	1.924	110	2.164	2465	3789	6000	25.9	6.0
05G-CRX3S-1000M	1000	61	1.117	2.013	2.073	110	2.313	3129	4851	8000	27.7	