

Medium Voltage

Super-Trex® Type SH Power Cable

Super-Trex® Type SH Power Cable is a highly flexible shielded medium voltage cable designed to Insulated Cable Engineers Association (ICEA) standards. Ideal for mobile substation applications and where flexibility and ease of use are required. It comes available in voltages from 5kV to 35kV. This power cable features an extra heavy-duty jacket that provides excellent protection against abrasion, impact, tearing, oil and most industrial chemicals. A copper braid insulation shield and fine conductor stranding significantly improve cable flexibility.

**Ratings**

ASTM B-33

ICEA S-75-381/NEMA WC-58

5kV, 15kV, 25kV and 35kV Voltage Ratings

Max Conductor Temp 90°C

FT1 – FT5 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

Engineered to Resist

Flexing



Abrasion



Impact

Features & Benefits**Finely Stranded Tinned Copper Conductors**

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

Combination Semi-Conductive Tape and Extruded Semi-Conductive TSE Conductor Shield

Bonded to the insulation for easy and clean stripping.

EPR Moisture and Heat Resistant Thermoset Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals. Provides protection from moisture and heat.

Combination Extruded Semi-Conductive Layer & Semi-Conductive Tape with Flexible Composite Braid Insulation Shield

Composite braid shield of tinned copper/nylon for superior flexibility & torsional movement.

Specially Compounded Black TSE Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Voltage	Conductor Size	Ampacity*	Conductor O.D. (in.)	Insulation O.D. (in.)	Nominal O.D. (in.)	W.T. (lbs) Per 1,000 ft.
70502	5kV	2 AWG	190	0.33	0.602	0.945	674
70540	5kV	4/0 AWG	400	0.585	0.87	1.3	1393
70525	5kV	250 kcmil	445	0.638	0.93	1.326	1481
70535	5kV	350 kcmil	550	0.759	1.05	1.49	1926
70550	5kV	500 kcmil	695	0.881	1.197	1.7	2662
70102	15kV	2 AWG	195	0.33	0.807	1.25	881
70110	15kV	1/0 AWG	260	0.409	0.899	1.325	1147
70140	15kV	4/0 AWG	400	0.585	1.08	1.61	1594
70125	15kV	250 kcmil	445	0.638	1.13	1.55	1760
70135	15kV	350 kcmil	550	0.759	1.245	1.765	2364
70150	15kV	500 kcmil	685	0.881	1.44	1.94	2937
70175	15kV	750 kcmil	885	1.095	1.63	2.15	3837
70114	15kV	1000 kcmil	1060	1.193	1.68	2.28	5074
70201	25kV	1 AWG	225	0.361	0.961	1.45	1170
70210	25kV	1/0 AWG	260	0.409	1.002	1.5	1297
70240	25kV	4/0 AWG	395	0.585	1.17	1.74	1960
70225	25kV	250 kcmil	440	0.638	1.4	1.85	2085
70235	25kV	350 kcmil	545	0.759	1.365	1.95	2636
70250	25kV	500 kcmil	680	0.881	1.56	2.15	3211
70275	25kV	750 kcmil	870	1.095	1.76	2.23	4253
702100	25kV	1000 kcmil	1040	1.193	1.95	2.5	5376
70316	35kV	1/0 AWG	260	0.409	1.187	1.725	1642
70340	35kV	4/0 AWG	395	0.585	1.332	1.94	2219
70325	35kV	250 kcmil	440	0.638	1.382	1.97	2509
70335	35kV	350 kcmil	545	0.759	1.514	2.1	2899
70350	35kV	500 kcmil	680	0.881	1.7	2.28	3396

TPC provides in-house inventory and custom cuts to meet your stocking demands to ensure quick delivery. Our services also include installing MV terminations which are tested in-house with our expert technicians.

Can't find what you are looking for? Let TPC customize a solution for your medium voltage cable needs with our team of expert engineers.

Notes

*Allowable ampacity per conductor of insulated single conductor in air based on conductor temperature of 90°C and ambient air temperature of 40°C. NEC Table 315.60(C)(3).

**Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.