

EPR/CPE Unshield

Product Description

EPR Insulation
Cpe Jacket
Shielded (unshield)
133% Insulation Level

Applications

For use in power circuits up to 15 kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.

Specifications

- CONDUCTOR: Class B, compact stranded, annealed bare copper per ASTM B-3 and B-496, strand shield is an extruded semiconducting compound
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-93-639 (NEMA WC74)
- SHIELD SYSTEM: Combination of six copper drain wires and extruded semiconducting Chlorinated Polyethylene (CPE) jacket
- STANDARDS: UL Listed Type MV-105 per UL 1072. Also meets ICEA S-93-639/NEMA WC74 and ICEA S-97-682. Passes IEEE 1202 70,000 Btu/hr flame test. Sizes 1/0 and larger marked "Sunlight-Resistant for CT use" and pass UL 1685 70,000 Btu/hr flame test
- AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310.73 with a conductor temperature of 90°C and an ambient temperature of 40°C
- TEMPERATURE: 105°C
- VOLTAGE: 15 kV

Part No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Nom. Insulation O.D. (in.)	Shield Drain Wire AWG	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3USC-0201	2	7	0.220	0.74	19	0.080	0.940	586	150
3USC-1011	1/0	19	0.220	0.81	18	0.080	1.020	767	195
3USC-2021	2/0	19	0.220	0.86	18	0.080	1.060	880	225
3USC-4041	3/0	19	0.220	0.96	18	0.080	1.140	1,211	295
3USC-2501	250	37	0.220	1.00	17	0.085	1.250	1,384	330
3USC-3501	350	37	0.220	1.10	17	0.085	1.350	1,762	395
3USC-5001	500	37	0.220	1.22	17	0.085	1.470	2,298	480
3USC-7501	750	61	0.220	1.39	16	0.100	1.680	3,256	585

Part No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Nom. Insulation O.D. (in.)	Shield Drain Wire AWG	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3USC-10001	1000	61	0.220	1.55	16	0.115	1.840	4,141	675