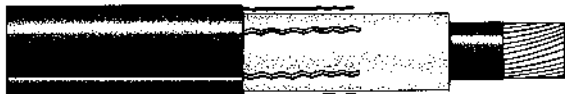


## EPR/CPE/Unishield



### Product Description

EPR insulation  
CPE jacket  
Shielded  
133% insulation level

### Applications

For use in power circuits up to 5 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: Listed Type MV-105 per UL 1072. Meets requirements of ICEA S-93-639 / NEMA WC74. Passes IEEE 1202 (70,000 Btu/hr)/CSA FT4. Sizes 1/0 and larger marked Sunlight Resistant and pass UL 1685 70,000 Btu/hr flame test and are UL rated "for CT use"
- 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: 5 kV

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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
3USA-0201	2	7	0.115	0.53	20	0.075	0.710	422	130
3USA-1011	1/0	19	0.115	0.60	20	0.075	0.790	573	180
3USA-2021	2/0	19	0.115	0.64	20	0.075	0.840	687	205
3USA-4041	4/0	19	0.115	0.74	19	0.080	0.940	974	280
3USA-2501	250	37	0.115	0.79	18	0.080	1.020	1,141	315
3USA-3501	350	37	0.115	0.88	18	0.080	1.120	1,500	385
3USA-5001	500	37	0.115	1.01	17	0.085	1.250	2,036	475
3USA-7501	750	61	0.115	1.18	17	0.085	1.430	2,905	600
3USA-10001	1000	61	0.115	1.38	16	0.100	1.620	3,800	690

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