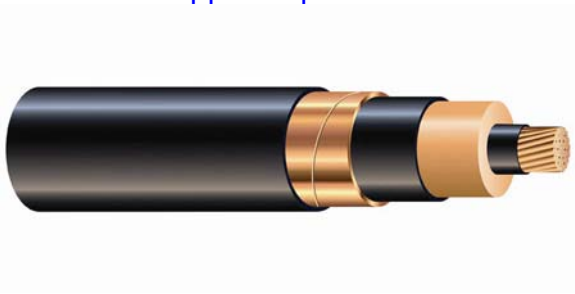
Product Data Sheet

EPR/PVC Copper Tape Shield



Product Description
EPR insulation
PVC jacket
Shielded
133% insulation level

Applications
For use in power circuits up to 8 kV when installed in open air, conduit, duct or buried directly in the 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 stranded, annealed, bare copper per ASTM B-3 and B-8, (compact stranding per ASTM B-496 is available). Strand shield is an extruded semi-conducting thermoset
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-93-639 (NEMA WC74)
- INSULATION SHIELD: Extruded semi-conducting thermoset insulation shield. Metallic shield is a helically applied 5 mil uncoated copper tape
- OVERALL JACKET: Sunlight-resistant, black Polyvinyl Chloride (PVC)
- STANDARDS: Listed as Type MV-105 per UL 1072 and meets the requirements of ICEA S-93-639. Sizes 1/0 and larger marked "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: 5 kV 133% and 8 kV 100%

Product Data Sheet

5 kV Single Conductor - Shielded

Cables with compact stranding have slightly smaller overall diameters. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Nom. Insulation O.D. (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3DA-0201	2	7	0.115	0.57	0.060	0.780	470	130
3DA-1011	1/0	19	0.115	0.65	0.080	0.910	670	180
3DA-2021	2/0	19	0.115	0.69	0.080	0.960	780	205
3DA-4041	4/0	19	0.115	0.80	0.080	1.050	1,085	280
3DA-2501	250	37	0.115	0.86	0.080	1.110	1,225	315
3DA-3501	350	37	0.115	0.96	0.080	1.210	1,500	385
3DA-5001	500	37	0.115	1.09	0.080	1.360	2,130	475
3DA-7501	750	61	0.115	1.28	0.080	1.550	3,025	600
3DA-10001	1000	61	0.115	1.43	0.110	1.750	3,980	690