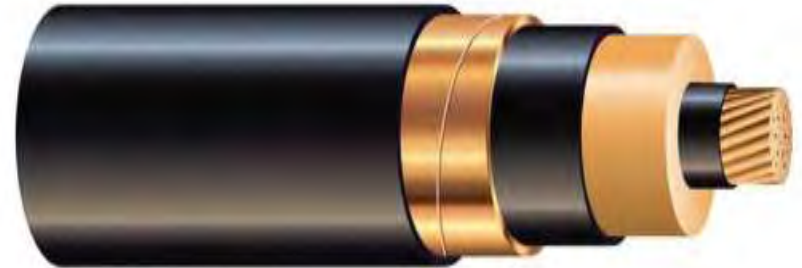


133% 35kV MV-105 EPR/PVC Copper Tape Shield

Product Description

- EPR Insulation
- PVC Jacket
- Shielded



Applications

- For use in power circuits up to 35kV when installed in open air, conduit, duct, or direct buried, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations

Specification

- CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3 (compact stranding per ASTM B-ASTM B496 is available). Strand shield is an extruded semiconducting, thermosetting compound
- INSULATION: Ethylene Propylene Rubber (EPR), physical and electrical properties are in accordance with ICEA S-93-639 (NEMA WC74)
- INSULATION SHIELD: Extruded semiconducting thermoset insulation shield. Metallic shield is a helically applied 5 mil uncoated copper tape
- OVERALL JACKET: Sunlight-resistant black Polyvinyl Chloride (PVC)
- STANDARDS: Listed 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 conductors in underground electrical ducts per 2017 NEC Table 310.60 (C) (77) based on a conductor temperature of 105°C (221°F), and an ambient earth temperature of 20°C
- TEMPERATURE: 105°C
- VOLTAGE: 35kV

35kV Single Conductor – Shielded

Cables with compact stranding have slightly smaller overall diameters. Diameters and weights may vary among manufacturers. These are the nominal values and subject to change with some tolerance of +/- 3%.

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Part No.	Conductor Size (AWG)	Insulation Thickness (in.)	Nom. Insulation O.D. (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1000 ft.	Amps per Conductor
3DZ-1011	1/0	.420	1.22	.080	1.43	1214	215
3DZ-2021	2/0	.420	1.25	.080	1.47	1279	245
3DZ-4041	4/0	.420	1.35	.080	1.57	1669	315
3DZ-3501	350 kcmil	.420	1.50	.110	1.78	2342	415
3DZ-5001	500 kcmil	.420	1.62	.110	1.9	2924	500
3DZ-7501	750 kcmil	.420	1.81	.110	2.09	3906	610

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