

TR-XLP/PVC Wire Shield

Product Description

XLP Insulation
PVC Jacket
Shielded
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 stranded, annealed, bare copper per ASTM B-3, strand shield is an extruded semiconducting compound
- INSULATION: Tree Retardant Cross-Linked Polyethylene (TR-XLP) per ICEA S-93-639 (NEMA WC74)
- INSULATION SHIELD: Semiconducting layer with copper shielding wires meeting the requirements of ICEA
- OVERALL JACKET: Sunlight-resistant, black Polyvinyl Chloride (PVC) per ICEA S-93-639
- STANDARDS: Listed by UL as Type MV-90 per Standard 1072, meets the requirements of ICEA S-93-639
- 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: 90°C
- VOLTAGE: 15 kV

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
3F-0201	2	7	0.220	0.78	0.080	1.050	550	150
3F-0101	1	19	0.220	0.82	0.080	1.090	625	170
3F-1011	1/0	19	0.220	0.86	0.080	1.130	715	195
3F-2021	2/0	19	0.220	0.91	0.080	1.170	825	225
3F-3031	3/0	19	0.220	0.96	0.080	1.220	950	260
3F-4041	4/0	19	0.220	1.01	0.080	1.280	1,115	295
3F-2501	250	37	0.220	1.07	0.080	1.340	1,270	330
3F-3501	350	37	0.220	1.17	0.080	1.440	1,630	395

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3F-5001	500	37	0.220	1.30	0.080	1.570	2,160	480
3F-7501	750	61	0.220	1.49	0.110	1.820	3,130	585
3F-10001	1000	61	0.220	1.64	0.110	1.930	4,055	675