

XLP/PVC Wire Shield

Product Description

XLP Insulation
PVC Jacket
Shielded
100% 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 stranded, annealed, bare copper per ASTM B-3 and B-8, strand shield is an extruded semiconducting compound
- INSULATION: Cross-Linked Polyethylene (XLP) per ICEA S-93-639 (NEMA WC74)
- INSULATION SHIELD: Semiconducting layer with copper shielding wires meeting the requirements of ICEA S-93-639
- OVERALL JACKET: Sunlight-resistant, black Polyvinyl Chloride (PVC) in accordance with ICEA S-93-639
- STANDARDS: Listed by UL as Type MV-90 cable per Standard 1072, meets 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: 5 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
3D-0601	6	7	0.09	0.38	0.06	0.6	195	75
3D-0401	4	7	0.09	0.42	0.06	0.65	255	97
3D-0201	2	7	0.09	0.48	0.06	0.7	345	130
3D-1011	1/0	19	0.09	0.56	0.06	0.78	485	180
3D-2021	2/0	19	0.09	0.6	0.08	0.87	620	205
3D-4041	4/0	19	0.09	0.71	0.08	0.98	890	280
3D-2501	250	37	0.09	0.76	0.08	1.02	1,025	315
3D-3501	350	37	0.09	0.86	0.08	1.13	1,360	385

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
3D-5001	500	37	0.09	0.99	0.08	1.25	1,860	475
3D-7501	750	61	0.09	1.17	0.08	1.44	2,790	600
3D-10001	1000	61	0.09	1.32	0.08	1.58	3,550	690