



Tray Power Cable FR-XLP VW-1 / PVC, 600V Three Conductor with Grounding Conductor

APPLICATIONS

For use as multi-conductor Type TC tray cable rated 600 volts, where flame retardance, and moisture/chemical resistance is critical. Cables are recommended for operation at 90°C maximum continuous conductor temperature in wet or dry locations. The cables are specifically approved for installation in cable trays in accordance with Article 336 of the NEC and may be used in Class I remote-control and signaling circuits per Article 725 of the Code. Cables may be installed in air, ducts or conduits, tray or trough, and are also suitable for direct burial.

STANDARDS

Cables meet or exceed all applicable requirements of the following standards:

- ASTM B-8, Standard Specification for Concentric lay-stranded copper conductor, hard, medium-hard, or soft.
- Underwriters Laboratories Standard 1277, Type TC Power and Control Cables.
- ICEA S-98-658/NEMA WC 70, Standard for Nonshielded Power Cables Rated 2000 Volts or Less For The Distribution of Electrical Energy
- IEEE Standard 383, 70,000 BTU/hr Flame Test
- IEEE-1202/CSA FT4, 70,000 BTU/hr Flame Test.
- ICEA T-29-520, 210,000 BTU/hr Flame Test.

CONSTRUCTION

Conductor:	Class B stranded uncoated annealed copper.
Insulation:	Extruded flame-retardant cross-linked polyethylene compound, Type XHHW-2, VW-1 rated.
Circuit Identification:	Method 4 – Black colored Compound with surface printing of numbers
Assembly:	Three phase conductors shall be cabled together with a Class B stranded, uncoated copper grounding conductor and suitable nonhygroscopic fillers, as needed to form a round core. A suitable binding tape shall be applied over the cable assembly.
Overall Jacket:	Flame-retardant, sunlight resistant, Polyvinyl Chloride compound (PVC).

OPTIONS

- Conductor: Tinned coated wires, available upon request.
- Overall Shield: Uncoated Copper tape shield, available upon request.

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Tray Power Cable FR-XLP VW-1 / PVC, 600V Three Conductor with Grounding Conductor

Multi-Conductor XLP Insulation, PVC Jacket, 600 Volts

Conductor		Thickness	Thickness	Overall	Grounding	Net Weight (lbs/1000ft)
Size (AWG / kcmil)	Number of Wires	Insulation (Mils)	Overall Jacket (Mils)	Diameter (Inches)	Conductor Size* (AWG)	
8	7	45	60	0.660	10	330
6	7	45	60	0.740	8	470
4	7	45	80	0.880	8	680
2	7	45	80	1.000	6	995
1	19	55	80	1.130	6	1230
1/0	19	55	80	1.220	6	1480
2/0	19	55	80	1.310	6	1780
3/0	19	55	80	1.420	4	2200
4/0	19	55	80	1.550	4	2675
250	37	65	110	1.760	4	3225
350	37	65	110	1.980	3	4350
500	37	65	110	2.260	2	6150

* Grounding Conductor per UL Standard 1277 for Type TC Tray Cable

Dimensions and weights shown are nominal, subject to industry tolerances.

Other constructions are available upon request.