

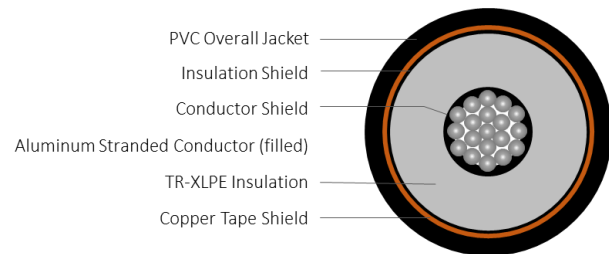
TR-XLPE/CTS/PVC Power, Type MV-105, 35kV 100%, 345-MILS Single Conductor Filled Aluminum 1350-Silicone Free

DESCRIPTION

This specification covers cables that consist of Aluminum 1350 filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket

APPLICATIONS

- Suitable for underground primary power applications : direct burial or in duct
- For wet or dry locations
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Excellent resistance to treeing
- Designed to operate continuously at a conductor temperature not exceeding
 - » 105°C for normal operations
 - » 140°C for emergency overload
 - » 250°C for short circuit



CONSTRUCTION

CONDUCTOR	Aluminum 1350 (filled) Class B Strand Compressed
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Tree-retardant Cross-linked Polyethylene (TR-XLPE)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil copper tape with a 25% overlap
JACKET	Polyvinyl Chloride (PVC)
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-230 ASTM B-231 ICEA S-97-682 ICEA S-93-639 UL 1072
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PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (Kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / kft)
E8MUE-B86F01CA00	1250	1.25	1.98	CTS with 25% overlap	0.105	2.28	2,650

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.