



TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345-MILS Single Conductor Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a moisture blocked linear low density polyethylene (LLDPE) jacket with 3 extruded red stripes.

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		STANDARDS (Compliance)	
CONDUCTOR	Annealed bare copper (filled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-94-649 ICEA-T-34-664 UL 1072
STRAND SHIELD	Thermoset semi-conducting polymer		
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)		
INSULATION SHIELD	Thermoset semi-conducting polymer		
SHIELD	Helically applied, annealed, solid bare copper wires		
JACKET	Moisture blocked Linear low-density polyethylene (LLDPE)		
PACKAGING	Non-returnable wooden reels		

SPECIFICATIONS							
Part Number	Conductor Size	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/kft)
E9MKT-C25B01CA20	1500 kcmil	1.37	2.12	31 x 8 AWG (1/3N)	0.080	2.67	7,743

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