

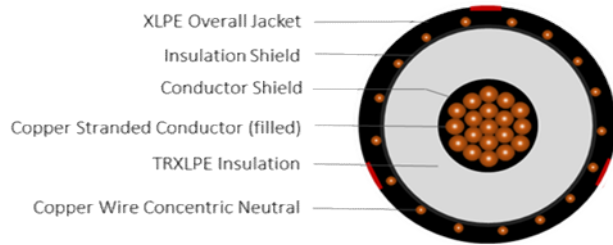
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS
Single Conductor Filled Copper -Silicone Free**

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 cross-linked polyethylene (XLPE) 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		STANDARDS (Compliance)	
CONDUCTOR	Annealed bare copper (filled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 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 Reduced wire number per ICEA P-45-482 calculations		
JACKET	Moisture blocked Cross-linked Polyethylene (XLPE)		
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)
E9MWT-A65B01CA20	500 kcmil	0.789	1.51	28 x 14 AWG (1/3N)	0.080	1.90	2,820

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