

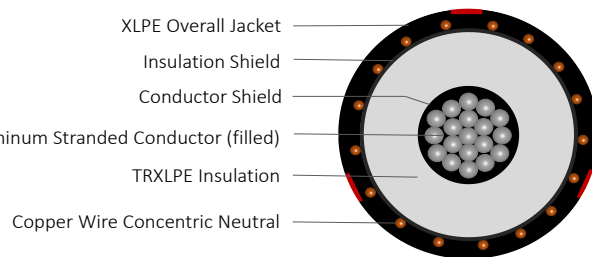
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS
Single Conductor Filled Aluminum -Silicone Free**

DESCRIPTION

This specification covers cables that consist of Aluminum 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	1350 Aluminum (filled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 ICEA-T-34-664 ICEA-T-31-610 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 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)	Minimum Bend Radius
E9MWS-B86F01CA20	1250 kcmil ¹	1.25	1.98	12 x 14 AWG (1/12N)	0.080	2.40	2,725	19.5"

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

¹ 1250 kcmil may be produced with 61 wire construction per ASTM B231