

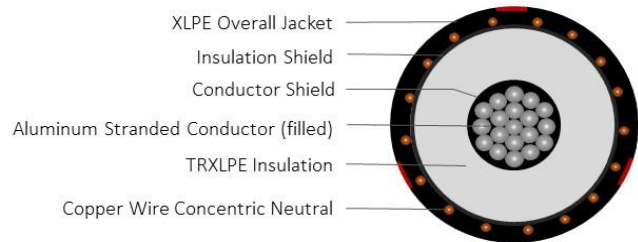
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS  
Single Conductor Filled Aluminum -Silicone Free**

**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)	
<b>CONDUCTOR</b>	1350 Aluminum (filled) Class B Strand Compressed	<b>PERFORMANCE</b>	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
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer		
<b>INSULATION</b>	Tree-retardant cross-linked polyethylene (TR-XLPE)		
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer		
<b>SHIELD</b>	Helically applied, annealed, solid bare copper wires		
<b>JACKET</b>	Moisture blocked Cross-linked Polyethylene (XLPE)		
<b>PACKAGING</b>	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)
E9MWV-A66F01CA20	500 kcmil	0.79	1.51	27 x 14 AWG (1/2N)	0.080	1.90	1,756
E9MWV-B26F01CA20	750 kcmil	0.97	1.69	26 x 12 AWG (1/2N)	0.080	2.14	2,390
E9MWV-B56F01CA20	1000 kcmil	1.12	1.84	22 x 10 AWG (1/2N)	0.080	2.33	2,959
E9MWV-B86F01CA20	1250 kcmil	1.25	1.98	27 x 10 AWG (1/2N)	0.080	2.47	3,457

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