

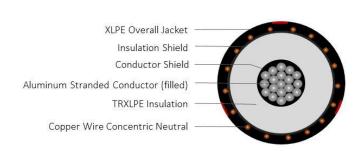
## TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS Single Conductor Filled Aluminum -Silicone Free

## **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 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						
CONDUCTOR	1350 Aluminum (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	Helically applied, annealed, solid bare copper wires					
JACKET	Cross-linked Polyethylene (XLPE)					
PACKAGING	Non-returnable wooden reels					

STANDARDS (Compliance)						
PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 ICEA-T-31-610 UL 1072					

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)		
E9MWG-4A6F01CA00	4/0 AWG	0.512	1.23	9 x 14 AWG (Custom)	0.055	1.57	983		
E9MWG-A66F01CA00	500 kcmil	0.789	1.51	28 x 14 AWG (Custom)	0.080	1.90	1,505		
E9MWJ-B26F01CA00	750 kcmil	0.968	1.69	14 x 14 AWG (1/6N)	0.080	2.11	2,078		
E9MWG-B56F01CA00	1000 kcmil	1.117	1.84	15 x 14 AWG (Custom)	0.080	2.26	2,263		
E9MWG-B86F01CA00	1250 kcmil	1.25	1.98	23 x 14 AWG (Custom)	0.080	2.40	2,605		

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