

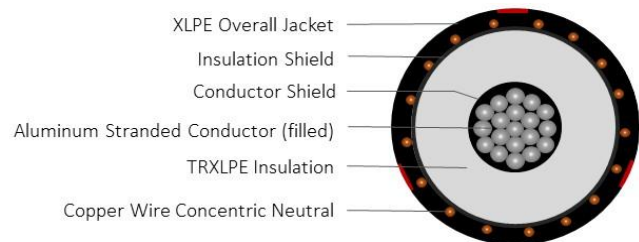
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS
Single Conductor Filled Aluminum -Silicone Free**

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	
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	Moisture blocked 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-34-664
	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)
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.