

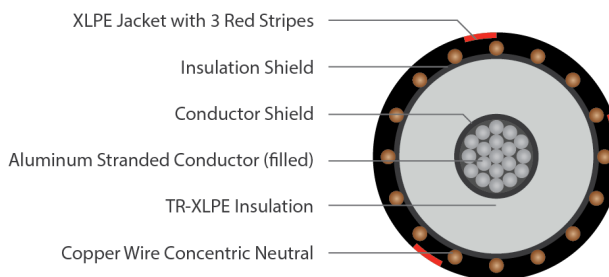
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils E9MWM-2A6F01CA20 - Single Conductor Aluminum, Reduced Concentric Neutral

DESCRIPTION

Medium Voltage Primary Underground Distribution (UD) cables consist of an 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) moisture blocked jacket with 3 extruded red stripes.

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



SERIES E9MW

CONSTRUCTION

CONDUCTOR	1350 AL, Class B Strand (filled)
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

CONSTRUCTION (Continued)

JACKET	Cross-Linked Polyethylene (XLPE), Moisture blocking powder applied and three red stripes
PACKAGING	Wooden reels
STANDARDS (Compliance)	AEIC CS8 ASTM B3 ASTM B231
PERFORMANCE	ICEA S-94-649 ICEA T-34-644 UL 1072 RUS U1

SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Nominal Insulation Diameter (in)	Copper Concentric Neutrals	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / kft)
E9MWM-2A6F01CA20	2/0	0.405	1.12	15x #14	0.055	1.46	950

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

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E9MWV-A66F01CA20	500	0.789	1.51	27 x #14	0.080	1.90	1,760
E9MWT-B56F01CA20	1000	1.117	1.84	23 x #12	0.080	2.26	2,630

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