

# TR-XLPE/CN/LLDPE, Type Primary UD

Part Number: E9MKT-1A6F01CA00

## DESCRIPTION

The 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 sunlight resistant linear low-density polyethylene (LLDPE) jacket with 3 extruded red stripes.

#### APPLICATION

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Designed to operate continuously at a conductor temperature not exceeding
  - » 90°C for normal operations
  - » 130°C for emergency overload
  - » 250°C for short circuit

### SPECIFICATIONS

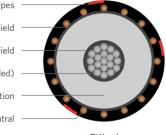
JF LCII ICATIONS			
Conductor	Aluminum 1350 compressed	Packaging	Non-returnable reels
	stranded Class B (filled)	Performance	ASTM B-3, B-230, B-231
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer		ICEA S-94-649
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)	Performance Compliance	ICEA T-31-610 AEIC CS8
Neutral	Concentric Neutral		RUS U1 (upon request) UL 1072 (MV-90)
Jacket	Linear Low-Density Polyethylene		01 1072 (1010-30)

# 1C 1/0AWG 19-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (6-wires copper x 14AWG) 1/3 reduced concentric neutral, with LLDPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS									
Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Copper Concentric Neutral	Insulation Diameter (in.)	Jacket Thickness (in.)	OD (in.)	Net Weight (Ibs./MFT)			
anded aluminur	n								
1/0	.355	6 x #14cu	1.08	.055	1.41	771			
	Conductor Size (AWG/kcmil) anded aluminur	Conductor Conductor Size Diameter (AWG/kcmil) (in.) anded aluminum	ConductorCopperSizeDiameterConcentric(AWG/kcmil)(in.)Neutralanded aluminum	ConductorCopperInsulationSizeDiameterConcentricDiameter(AWG/kcmil)(in.)Neutral(in.)anded aluminum	ConductorCopperInsulationJacketSizeDiameterConcentricDiameterThickness(AWG/kcmil)(in.)Neutral(in.)(in.)anded aluminum	ConductorCopperInsulationJacketODSizeDiameterConcentricDiameterThickness(in.)(AWG/kcmil)(in.)Neutral(in.)(in.)anded aluminum			

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

LLDPE Jacket with 3 Red Stripes — Insulation Shield — Conductor Shield — Aluminum Stranded Conductor (filled) — TR-XLPE Insulation — Copper Wire Concentric Neutral —



Filled