TR-XLPE/CN/XLPE Power, MV-105 Type Primary UD, 35kV 100%

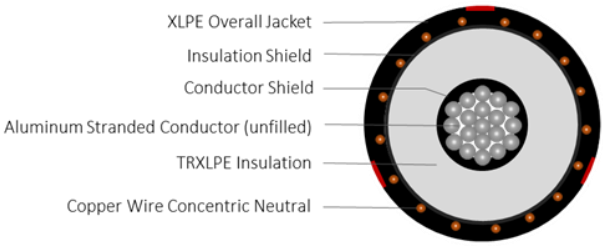
Single Conductor Un-Filled Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of an aluminum un-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 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.
- 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 U35ATX

CONSTRUCTION

CONDUCTOR	Aluminum 1350 (unfilled) Class B compressed strand
STRAND SHIELD	Extruded thermoset semi-conducting polymer over the conductor
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)
INSULATION SHIELD	Extruded thermoset semi-conducting polymer over the insulation
SHIELD	Helically applied, annealed, solid bare copper wires Reduced wire number per ICEA P-45-482 calculations
JACKET	Cross-linked polyethylene (XLPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) AL 1/C 35KV 100% INSUL LEVEL 345 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 UL 1072
OTHER	OSHA

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SPECIFICATIONS							
Part Number	**Conductor Size (AWG/kcmil)**	**Conductor Diameter (in)**	**Insulation Diameter (in)**	**Concentric Neutral (No. x AWG)**	**Jacket Thickness (in)**	**Approx. O.D (in)**	**Approx. Weight (lbs/kft)**
U35ATX-50AB-1CZ-RDZ-Z	500	0.789	1.56	22 x 12 (2/3N)	0.075	1.99	1,915
U35ATX-75AB-1CZ-RDZ-Z	750	0.968	1.75	21 x 10 (2/3N)	0.075	2.26	2,610
U35ATX-A1AB-1CZ-RDZ-Z	1000	1.117	1.91	28 x 10 (2/3N)	0.075	2.41	3,175

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