

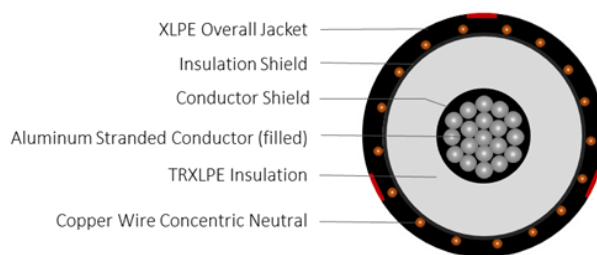
TR-XLPE/CN/XLPE Power, MV-105 Type Primary UD, 35kV 133% Single Conductor Filled Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage 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) 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 (filled) 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

JACKET cross-linked polyethylene (XLPE)

JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) FS AL 1/C 35KV 133% INSUL LEVEL 420 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
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PACKING Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 ICEA T-31-610 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)
U35BTX-4AFB-1CZ-R3Z-Z	4/0 AWG	0.512	1.42	8 x 14 AWG (1/3N)	0.075	1.82	1,235
U35BTX-35FB-1CZ-R3Z-Z	350kcmil	0.661	1.58	13 x 14 AWG (1/3N)	0.075	1.98	1,560
U35BTX-50FB-1CZ-R3Z-Z	500kcmil	0.789	1.71	18 x 14 AWG (1/3N)	0.075	2.14	1,910
U35BTX-75FB-1CZ-R3Z-Z	750kcmil	0.968	1.91	26 x 14 AWG (1/3N)	0.075	2.34	2,410
U35BTX-A1FB-1CZ-R3Z-Z	1000kcmil	1.117	2.06	23 x 12 AWG (1/3N)	0.075	2.52	2,950
U35BTX-A5FB-1CZ-R3Z-Z	1500kcmil	1.370	2.33	21 x 10 AWG (1/3N)	0.075	2.83	3,920

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