

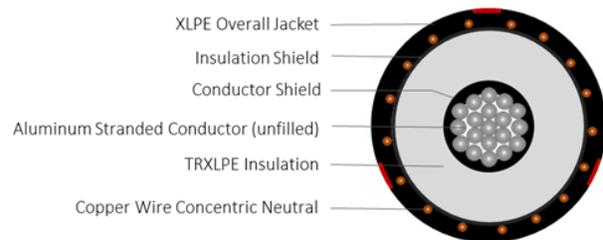
## TR-XLPE/CN/XLPE Power, MV-105 Type Primary UD, 15kV 100% Single Conductor Un-Filled Aluminum - Silicone Free

### 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 U15ATX**

### CONSTRUCTION

<b>CONDUCTOR</b>	Aluminum 1350 (unfilled) Class B compressed strand
<b>STRAND SHIELD</b>	Extruded thermoset semi-conducting polymer over the conductor
<b>INSULATION</b>	Tree-retardant cross-linked polyethylene (TR-XLPE)
<b>INSULATION SHIELD</b>	Extruded thermoset semi-conducting polymer over the insulation
<b>SHIELD</b>	Helically applied, annealed, solid bare copper wires Reduced wire number per ICEA P-45-482 calculations
<b>JACKET</b>	Cross-linked polyethylene (XLPE)
<b>JACKET MARKING</b>	<p><b>1000kcmil &amp; smaller</b> 00000 FT LS CABLE XXXKCMIL (or AWG) AL 1/C 15KV 100% INSUL LEVEL 175 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)</p> <p><b>1250kcmil</b> 00000 FT LS CABLE XXXKCMIL (or AWG) AL 1/C 15KV 100% INSUL LEVEL 220 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)</p>
<b>PACKING</b>	Non-returnable wood reels

### STANDARDS (Compliance)

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

## TR-XLPE/CN/XLPE Power, MV-105 Type Primary UD, 15kV 100% Single Conductor Un-Filled Aluminum - Silicone Free

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)
U15ATX-35AB-1CZ-R3Z-Z	350	0.661	1.08	13 x 14 (1/3N)	0.050	1.43	980
U15ATX-50AB-1CZ-R3Z-Z	500	0.789	1.21	18 x 14 (1/3N)	0.050	1.56	1,245
U15ATX-75AB-1CZ-R3Z-Z	750	0.968	1.40	26 x 14 (1/3N)	0.075	1.80	1,725
U15ATX-A1AB-1CZ-R3Z-Z	1000	1.117	1.56	22 x 12 (1/3N)	0.075	1.99	2,180
U15ATX-A2AB-1CZ-R3Z-Z	1250 <sup>1</sup>	1.250	1.79	27 x 12 (1/3N)	0.075	2.26	2,765

The dimensions and weights shown are approximate and subject to industry standards. Other designs available upon request.  
<sup>1</sup>1250 KCMIL may have 61 wires subject to mutual agreement between the manufacturer and customer per ASTM B231.