

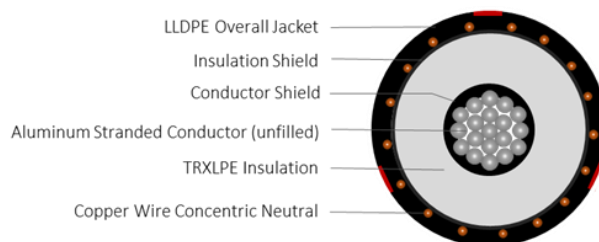
## TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345-mils Single Conductor Aluminum - Silicone Free

### DESCRIPTION

This specification covers cables that consist of Aluminum (unfilled) conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and linear low density polyethylene (LLDPE) 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
  - » 90°C for normal operations
  - » 130°C for emergency overload
  - » 250°C for short circuit



**SERIES U35ATL**

### CONSTRUCTION

<b>CONDUCTOR</b>	1350 Aluminum (unfilled) Class B Strand Compressed
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer
<b>INSULATION</b>	Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer
<b>METALIC SHIELD</b>	Helically applied, annealed solid bare copper wires
<b>JACKET</b>	Linear low-density polyethylene (LLDPE)
<b>PACKAGING</b>	Non-returnable wooden reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 UL 1072(MV-90) RUS U1
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### SPECIFICATIONS

Part Number	Conductor Size (AWG or kcmil)	Nom. Conductor Diameter (in)	Nom. Insulation Diameter (in)	Copper Concentric Neutrals	Nom. Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/kft)
U35ATL-1AAB-1CZ-R3Z-Z	1/0 AWG	0.362	1.12	6 x 14 AWG (1/3N)	0.050	1.46	795
U35ATL-50AB-1CZ-R3Z-Z	500kcmil	0.789	1.56	25 x 14 AWG (1/3N)	0.075	1.96	1,755
U35ATL-A1AB-1CZ-R3Z-Z	1000kcmil	1.117	1.91	31 x 12 AWG (1/3N)	0.075	2.37	2,860
U35ATL-A2AB-1CZ-R3Z-Z	1250kcmil <sup>1</sup>	1.250	2.05	25 x 10 AWG (1/3N)	0.075	2.56	3,440

The dimensions and weights shown are nominal 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.