

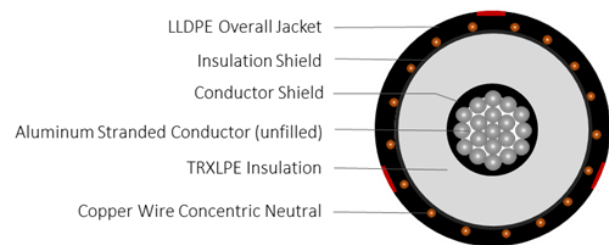
TR-XLPE/CN/LLDPE Power, MV-90 Type Primary UD, 35kV 100% Single Conductor Un-Filled Aluminum - Silicone Free

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 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

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
JACKET	Linear low-density polyethylene (LLDPE)
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' LLDPE JKT MV-90 (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)
U35ATL-1AAB-1CZ-R1Z-Z	1/0	0.362	1.12	16 x 14 (FCN)	0.050	1.46	910
U35ATL-4AAB-1CZ-R2Z-Z	4/0	0.512	1.27	16 x 14 (1/2N)	0.050	1.62	1,115
U35ATL-50AB-1CZ-R3Z-Z	500	0.789	1.56	25 x 14 (1/3N)	0.075	1.96	1,755
U35ATL-50AB-1CZ-R2Z-Z	500	0.789	1.56	24 x 12 (1/2N)	0.075	1.99	1,950
U35ATL-75AB-1CZ-R6Z-Z	750	0.968	1.75	19 x 14 (1/6N)	0.075	2.18	2,105
U35ATL-A1AB-1CZ-R6Z-Z	1000	1.117	1.91	25 x 14 (1/6N)	0.075	2.33	2,525
U35ATL-A2AB-1CZ-R6Z-Z	1250 ¹	1.250	2.05	31 x 14 (1/6N)	0.075	2.48	2,945
U35ATL-A5AB-1CZ-R9Z-Z	1500	1.370	2.17	25 x 14 (1/9N)	0.075	2.60	3,170

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

¹1250 KCMIL may have 61 wires subject to mutual agreement between the manufacturer and customer per ASTM B231 .