

SPEC: LSCUS-25-CM30014 REV: 00 DATE: 04.04.25

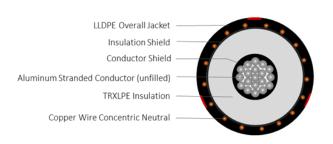
TR-XLPE/CN/LLDPE Power, MV-90 Type Primary UD, 35kV 100% Single Conductor Un-Filled Aluminum - Silicone Free

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-conductin 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-50AB-1CZ-RQB-Z	500kcmil	0.789	1.56	15 x 14 AWG (Custom)	0.075	1.96	1,635			
U35ATL-75AB-1CZ-RQB-Z	750kcmil	0.968	1.75	15 x 14 AWG (Custom)	0.075	2.18	2,060			
U35ATL-A1AB-1CZ-RQC-Z	1000kcmil	1.117	1.91	14 x 14 AWG (Custom)	0.075	2.33	2,395			
U35ATL-A5AB-1CZ-RQB-Z	1500kcmil	1.370	2.17	14 x 14 AWG (Custom)	0.075	2.60	3,065			

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