

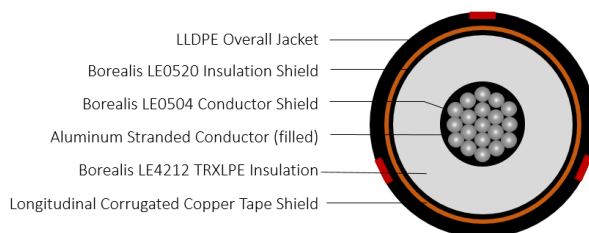
TR-XLPE/LACT/LLDPE Power, Type Primary UD, 25kV 100% Single Conductor Filled Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of an aluminum filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a longitudinally applied corrugated tape shield (LACT), 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 G25AML

CONSTRUCTION

CONDUCTOR	Aluminum 1350 (filled) Class B compressed strand
STRAND SHIELD	Extruded thermoset semi-conducting supersmooth polymer over the Conductor (Borealis LE0504)
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE) (Borealis LE4212)
INSULATION SHIELD	Extruded thermoset semi-conducting polymer over the insulation (Borealis LE0520)
SHIELD	Longitudinally Applied Corrugated Copper Tape over the Insulation Shield (LACT)
JACKET	Linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) FS AL 1/C 25KV 100% INSUL LEVEL 260 MILS TRXLPE LACT "Tape Thickness" MILS LLDPE JKT MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B230 ASTM B231 ICEA S-97-682 ICEA T-31-610
OTHER	OSHA

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SPECIFICATIONS							
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	LACT Cu Tape Thickness (mils)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
G25AML-35FB-1CZ-CCZ-Q (46184)	350	0.661	1.26	12	0.075	1.59	1,365
G25AML-75FB-1CZ-CBZ-Q (4022217)	750	0.968	1.58	10	0.105	1.97	1,995
G25AML-A1FB-1CZ-CBZ-Q (283229)	1000	1.117	1.73	10	0.105	2.12	2,335

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