

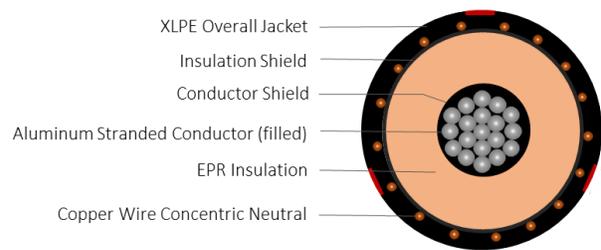
EPR/CN/XLPE Power, MV-105 Type Primary UD, 35kV 133% Single Conductor Filled Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of aluminum filled conductor, covered with ethylene propylene rubber (EPR), 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 U35BEX

CONSTRUCTION

CONDUCTOR	1350 Aluminum (filled) Class B compressed strand
STRAND SHIELD	Extruded thermoset semi-conducting polymer over the conductor
INSULATION	Ethylene propylene rubber (EPR)
INSULATION SHIELD	Extruded thermoset semi-conducting polymer over the insulation
SHIELD	Helically applied, annealed, solid bare copper wires Reduced wire number per ICEA P-45-482 calculations
JACKET	Cross-linked polyethylene (XLPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) FS AL 1/C 35KV 133% INSUL LEVEL 420 MILS EPR 'No. of Neutral' X # 'Neutral size' XLPE JKT MV-105 (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 ICEA T-31-610 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)
U35BEX-1AFB-1CZ-R1Z-Z	1/0	0.362	1.24	12 x 14 (FCN)	0.050	1.62	1,115
U35BEX-4AFB-1CZ-R1Z-Z	4/0	0.512	1.42	22 x 14 (FCN)	0.075	1.82	1,530

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