

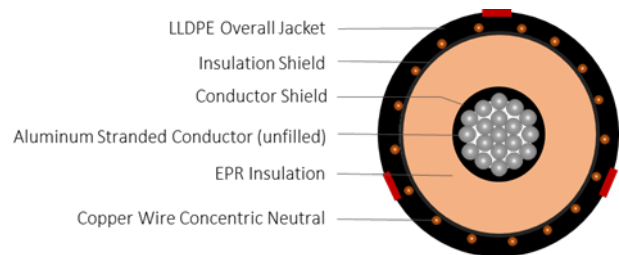
EPR/CN/LLDPE Power, Type MV-90, Primary UD, 15kV 133% Single Conductor Unfilled Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of an unfilled aluminum conductor, covered with ethylene propylene rubber (EPR), a concentric neutral of helically applied copper wires, and a moisture blocked 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
 - » 105°C for normal operations
 - » 140°C for emergency overload
 - » 250°C for short circuit



CONSTRUCTION

CONDUCTOR	Aluminum AA8000 (unfilled) 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
JACKET	Moisture blocked linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) AL 1/C 15KV 133% INSUL LEVEL 220 MILS EPR 'No. of Neutral' X # 'Neutral size' MB 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 B800 ASTM B801 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)
1/3 Reduced Neutral							
U15BEL-35EB-1CZ-R3Z-M	350	0.661	1.17	18 x 14	0.050	1.52	1,190
U15BEL-75EB-1CZ-R3Z-M	750	0.968	1.50	24 x 12	0.075	1.93	2,095

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