

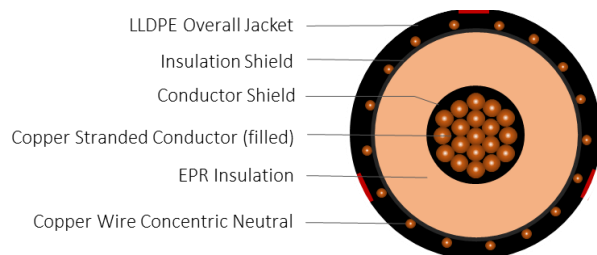
EPR/CN/LLDPE, Type MV-90 Primary UD, 35kV 100%, 345-MILS Single Conductor Filled Copper - Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper filled 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	Annealed bare copper (filled) Class B Strand Compressed
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene propylene rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	Helically applied, annealed, solid bare copper wires
JACKET	Moisture blocked Linear low-density polyethylene (LLDPE)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 ICEA S-94-649 ICEA-T-34-664 UL 1072
OTHER	EPA 40 CFR, Part 261 OSHA

Markings

JACKET MARKING	00000 FT LS CABLE 2/0AWG FS CU 1/C 35KV 100% INSUL LEVEL 345 MILS EPR 13x10AWG MB LLDPE JKT MV-90(UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
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SPECIFICATIONS

Part Number	Conductor Size (AWG)	Conductor Diameter (in)	Insulation Diameter (in)	Concentric Neutral (No. x AWG)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
U35AEL-2ADB-1CZ-R1T-M	2/0	0.405	1.16	13 x 10AWG (FCN)	0.050	1.58	1,600

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