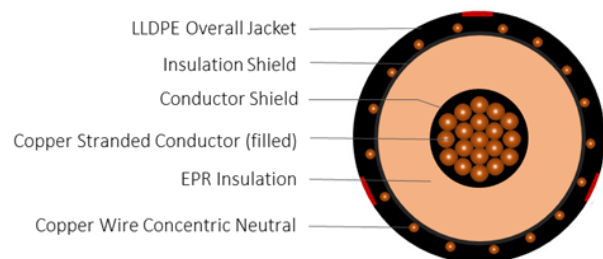**LS** Cable & System USA®

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

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of a 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

LLDPE Overall Jacket
Insulation Shield
Conductor Shield
Copper Stranded Conductor (filled)
EPR Insulation
Copper Wire Concentric Neutral

SERIES U15BEL

CONSTRUCTION

CONDUCTOR	Fully annealed bare copper (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
JACKET	Moisture blocked linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) FS CU 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 B8 ICEA S-94-649 ICEA T-34-664 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)
U15BEL-2ADB-1CZ-R12-M	2/0	0.405	0.90	20 x 12 (FCN)	0.050	1.26	1,275

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