EPR/CN/LLDPE Power, MV-90 Type Primary UD, 15kV 100%

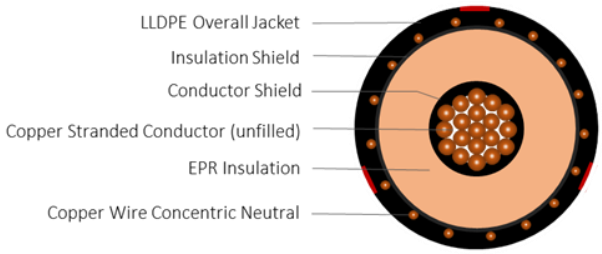
Single Conductor Un-Filled Copper - Silicone Free

DESCRIPTION

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



SERIES U15AEL

CONSTRUCTION

CONDUCTOR	Fully annealed bare copper (unfilled) Class B compact 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	Linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) CMPCT CU 1/C 15KV 100% INSUL LEVEL 175 MILS EPR 'No. of Neutral' X # 'Neutral size' 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 B496 ICEA S-94-649 UL 1072
OTHER	OSHA

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SPECIFICATIONS							
Part Number	**Conductor Size[1] (AWG/kcmil)**	**Conductor Diameter (in)**	**Insulation Diameter (in)**	**Concentric Neutral (No. x AWG)**	**Jacket Thickness (in)**	**Approx. O.D (in)**	**Approx. Weight (lbs/kft)**
U15AEL-50CT-1CZ-R3Z-Z	500	0.736	1.16	16 x 12 (1/3N)	0.050	1.54	2,655

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

[1] The number of strand wires meets the minimum requirement of ASTM B496.