

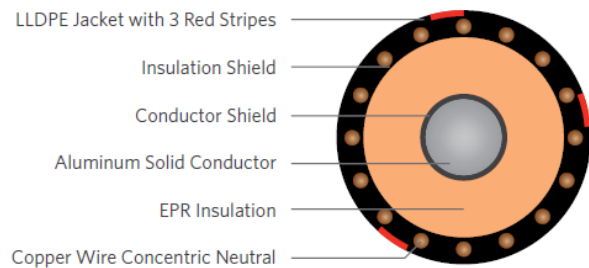
EPR/CN/LLDPE Power, Type Primary UD, 25kV 100% Single Conductor Solid Aluminum - Silicone Free

DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of an aluminum solid 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
 - » 130°C for emergency overload
 - » 250°C for short circuit



SERIES U25AEL

CONSTRUCTION

CONDUCTOR	Aluminum 1350 Solid
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) AL SOL 1/C 25KV 100% INSUL LEVEL 260 MILS EPR 'No. of Neutral' X # 'Neutral size' LLDPE JKT MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B609 ICEA S-94-649 UL 1072 RUS U1
OTHER	OSHA

EPR/CN/LLDPE Power, MV-90 Type Primary UD, 25kV 100% Single Conductor Solid Aluminum - Silicone Free

SINGLE CONDUCTOR 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)
U25AEL-1AAS-1CZ-R1Z-Z	1/0	0.325	0.90	16 x 14 AWG (FCN)	0.050	1.23	775

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