

## EPR/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345-MILS

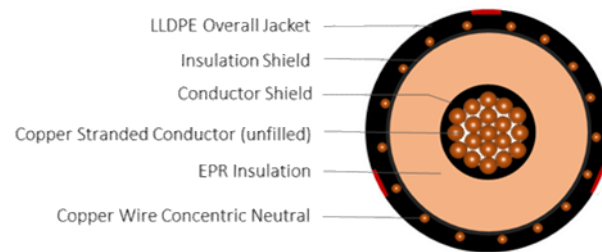
### Single Conductor Un-Filled Copper -Silicone Free

#### DESCRIPTION

This specification covers cables that consist of 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, meeting the 720-hr exposure test.
- Excellent resistance to treeing.
- Designed to operate continuously at a conductor temperature not exceeding
  - >> 90°C for normal operations
  - >> 130°C for emergency overload
  - >> 250°C for short circuit



CONSTRUCTION		STANDARDS (Compliance)	
CONDUCTOR	Annealed bare copper (unfilled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 ICEA S-94-649 UL 1072
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	Linear low-density polyethylene (LLDPE)		
PACKAGING	Non-returnable wooden reels		

SPECIFICATIONS							
Part Number	Conductor Size	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/kft)
U35AEL-A2CB-1CZ-RCZ-Z	1250 kcmil	1.250	1.98	26 x 14 AWG (1/12N)	0.080	2.40	5,640

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