

## EPR/CN/XLPE, Type MV-105, Primary UD, 15kV 133%, 220-MILS

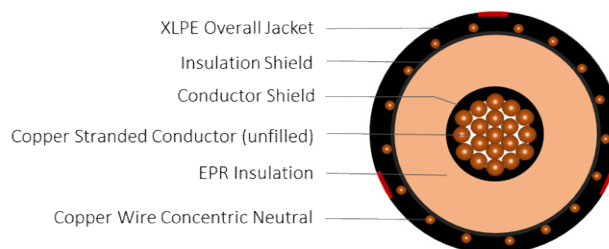
### Single Conductor Un-Filled Copper -Silicone Free

#### 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 cross-linked polyethylene (XLPE) jacket.

#### 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		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 Reduced wire number per ICEA P-45-482 calculations		
JACKET	Cross-linked Polyethylene (XLPE)		
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)
U15BEX-01CB-1CZ-R3Z-Z	1 AWG	0.322	0.82	6 x 14 AWG (1/3N)	0.050	1.14	740

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