EPR/CTS/PVC, Type MV-105, 35kV 133%, 420-MILS

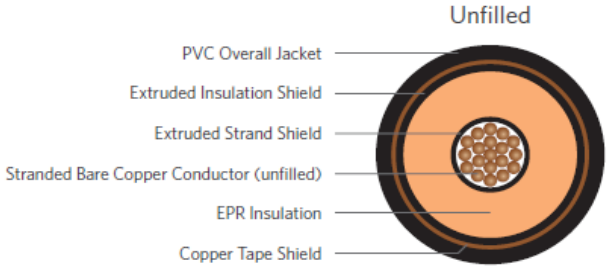
Single Conductor Un-Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper un-filled conductor, covered with ethylene propylene rubber (EPR), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket.

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
  - ➢ 105°C for normal operations
  - ➢ 140°C for emergency overload
  - ➢ 250°C for short circuit



CONSTRUCTION	
CONDUCTOR	Annealed bare copper (unfilled) Class B Strand Compressed
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene propylene rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5-mil copper tape with a 25% overlap
JACKET	Polyvinyl Chloride (PVC)
PACKAGING	Non-returnable wooden reels

STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-97-682 ICEA S-93-639 UL 1072

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)
E8NLE-A81B01CA00	**600 kcmil**	**0.866**	**1.70**	**CTS with 25% overlap**	**0.105**	**2.00**	**3,302**

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