EPR/CTS/PVC, Type MV-105, 35kV 100%, 345mils -Silicone Free

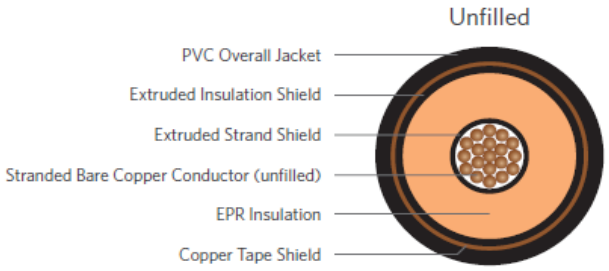
Single Conductor Un-filled Copper

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

- Primary installations include cable trays, outdoor locations, in conduit, duct, free air and raceways.
- Direct buried if installed in a system with a ground conductor that is in close proximity and conforms to NEC 2250.4(A)(5)
- In wet or dry locations.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for 1/0 AWG and larger
- 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)
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 RUS U1

SPECIFICATIONS

Part Number	Conductor Size	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Overall Diameter (in)	Net Weight (lbs/kft)
E8MLE-1A1B01CA00	1/0 AWG	0.362	1.08	CTS with 25% overlap	0.077	1.32	1,068

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