EPR/CTS/PVC, Type MV-105, 25kV 133%, 320-MILS

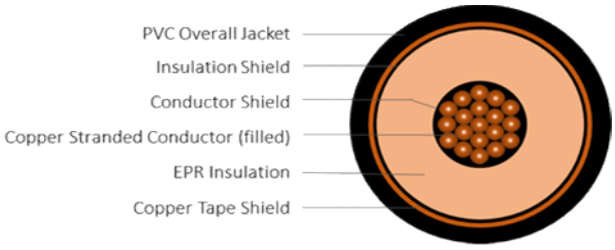
Single Conductor Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper filled conductor, covered with ethylene propylene rubber (EPR), copper tape 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 250.4(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 (filled) 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 B3 ASTM B8 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)
E8LLE-1A5B01CA00	1/0 AWG	0.362	1.03	CTS with 25% overlap	0.075	1.27	1,020
E8LLE-2A5B01CA00	2/0 AWG	0.405	1.07	CTS with 25% overlap	0.075	1.31	1,140
E8LLE-4A5B01CA00	4/0 AWG	0.512	1.18	CTS with 25% overlap	0.075	1.42	1,460

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