

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

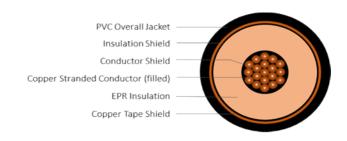
## **Single Conductor Filled Copper -Silicone Free**

## **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			

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