

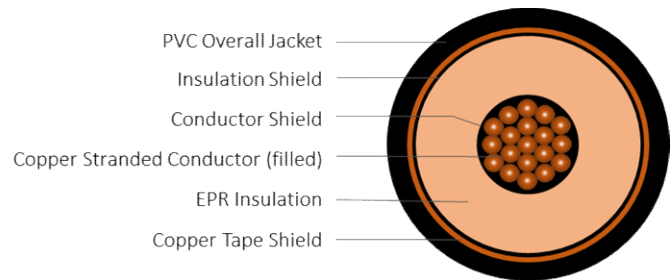
EPR/CTS/PVC, Type MV-105, 5kV 133%, 115-MILS Single Conductor Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper filled conductor, covered with ethylene propylene rubber (EPR), copper 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 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 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)
E8FLE-A65B01CA00	500 kcmil	0.789	1.06	CTS with 25% overlap	0.075	1.30	2,048

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