

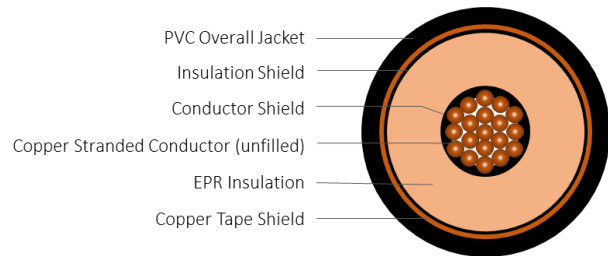
EPR/CTS/PVC Power, Type MV-105, 5kV 133%, 115-MILS Single Conductor Un-Filled Copper-Silicone Free

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

- In conduit, duct, free air, and raceways primary installations include cable trays, and outdoor locations
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- 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 Compact
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 reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-496 ICEA S-97-685 ICEA S-93-639 UL 1072
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PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. O.D. (in)	Approx. Net Weight (lbs / Mft)
E8FLE-021T01CA00	2	0.268	0.54	CTS with 25% overlap	0.060	0.75	455
E8FLE-B21T01CA00	750	0.908	1.20	CTS with 25% overlap	0.075	1.44	2,875
E8FLE-B51T01CA00	1000	1.06	1.35	CTS with 25% overlap	0.075	1.59	3,710

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