EPR/CTS/PVC Power, Type MV-105, 15kV 133%, 220-MILS

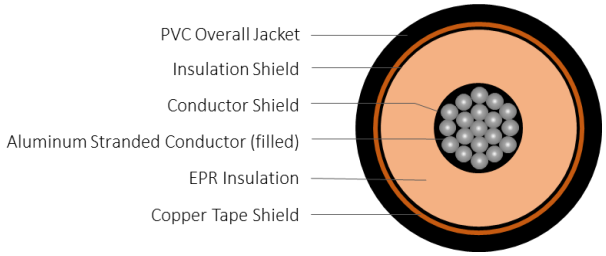
Single Conductor Filled Aluminum-Silicone Free

DESCRIPTION

This specification covers cables that consist of Aluminum 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
- In direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4 (A)(5)
- In wet or dry 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	1350 Aluminum (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 reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-97-682 ICEA S-94-649 UL 1072

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PART NUMBER AND PHYSICAL CHARACTERISTICS							
Part Number	**Conductor Size (kcmil/ AWG)**	**Conductor Diameter (in)**	**Insulation Diameter (in)**	**Metallic Shield**	**Jacket Thickness (in)**	**Approx. O.D. (in)**	**Approx. Net Weight (lbs / kft)**
E8JLE-1A6F01CA00	1/0	0.362	0.83	CTS with 25% overlap	0.075	1.07	590
E8JLE-4A6F01CA00	4/0	0.512	0.98	CTS with 25% overlap	0.075	1.21	785
E8JLE-B26F01CA00	750	0.968	1.44	CTS with 25% overlap	0.075	1.68	1,595

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