

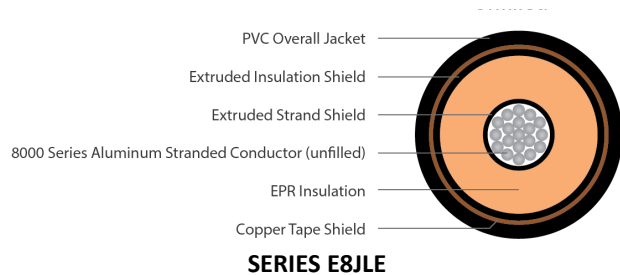
EPR/CTS/PVC Power, Type MV-105, 15kV 133% Single Conductor 1000 Kcmil, 8000 Series Aluminum

DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of 8000 Aluminum stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable trays, and outdoor locations, sunlight resistant. In conduit, duct, free air, and raceways.
- Direct buried if installed in a system with a ground conductors that is in close proximity and conforms to NEC 2250.4 (A) (5)
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for 1/0 AWG and larger, per UL 1072
- 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	8000 Aluminum, Compact Strand (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene Propylene Rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed copper tape helically applied with a 25% overlap

CONSTRUCTION cont'd

JACKET	Black PVC
PACKAGING	Non-returnable reels
STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8
	ASTM B800
	ASTM B801
	ICEA S-93-639
	ICEA S-97-682
	UL 1072
	UL 1685
NEC	
OTHER	EPA 40 CFR, PART 261 OSHA

SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	O.D. (in)	Net Weight (lbs / Mft)
E8JLE-B54H01CA00	1000	1.060	1.612	0.110	1.85	2006

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