

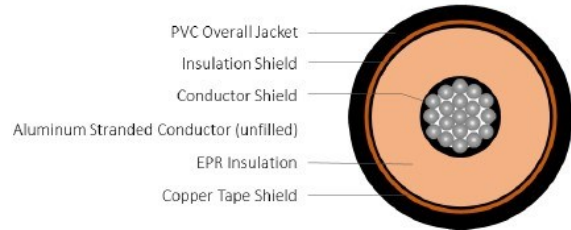
EPR/CTS/PVC Power, Type MV-105, 25kV 133% 320-mils Single Conductor Aluminum—Silicone Free

DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of Aluminum unfilled Class B stranded conductors, covered with ethylene 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. Suitable 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 250.4 (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



SERIES E8LLE

CONSTRUCTION

CONDUCTOR	Aluminum 8000 (unfilled) Class B Compressed Strand
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene Propylene Rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
METALIC SHIELD	5 mil annealed copper tape helically applied with a 25% Nom. Overlap
JACKET	Black Polyvinyl Chloride (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)	Nom. Conductor Diameter (in)	Nominal Insulation Diameter (in)	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / Kft)
E8LLE-B24G01CA00	750kcmil	0.968	1.64	0.105	1.95	2025

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