

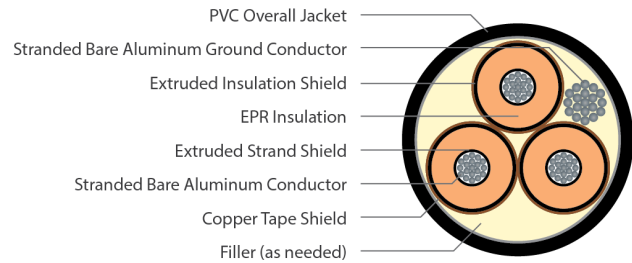
EPR/CTS/PVC Type MV-105, Power 25kV 133% 320mils- Silicone Free Three Conductor, Aluminum

DESCRIPTION

The three conductor MV-105 power cables consist of aluminum unfilled Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, an uninsulated bare aluminum ground, and black PVC jacket.

APPLICATIONS

- Primary installations include cable trays, and outdoor locations : sunlight resistant and direct burial. In conduit, duct, free air, raceways.
- 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 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	Aluminum 1350, Class B Compressed (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene propylene rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil copper tape shield
FILLERS	Non-hygroscopic fillers and binder tape
GROUND CONDUCTOR	Uninsulated aluminum ground
JACKET	Polyvinyl Chloride (PVC)

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 ICEA S-93-639 ICEA S-97-682 UL 1072 CSA FT4/IEE 1202 (flame compliance) NEC
OTHER	EPA 40 CFR, PART 261 OSHA

SPECIFICATIONS

Part Number	Conductor Size (KCMIL)	Conductor Diameter (in)	Insulation Diameter (in)	Ground Wire (AWG)	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)
E8LLR-A63F03CB00	500	0.789	1.46	1/0	0.130	3.62	5,520

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