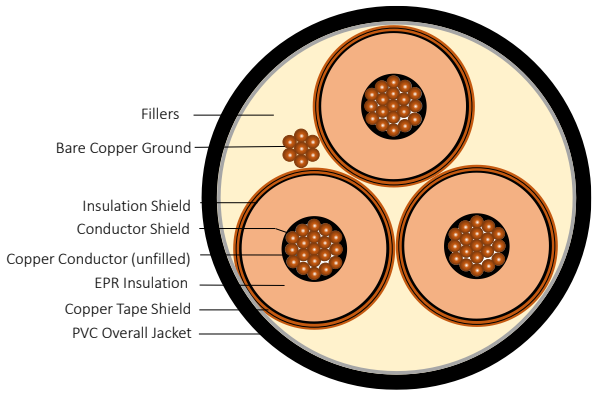
EPR/CTS/PVC Type MV-105, Power 25kV 133% 320mils- Silicone Free
Three Conductor, Copper

DESCRIPTION
The three conductor MV-105 power cables consist of copper unfilled Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, an uninsulated bare copper 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	Copper, 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 copper
JACKET	Polyvinyl Chloride (PVC)

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 ICEA S-93-639 ICEA S-97-682 UL 1072 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-1A1B03CB00	1/0	0.358	1.07	4	0.130	2.70	3,100

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