

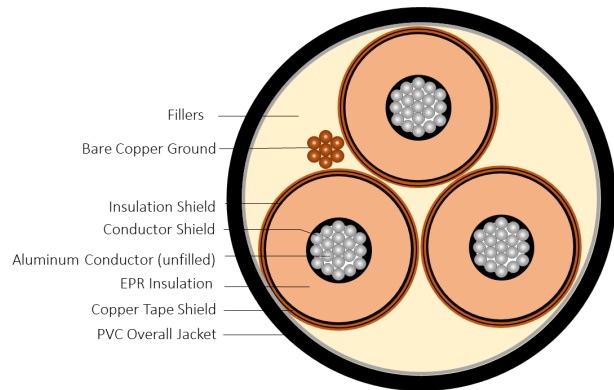
EPR/CTS/PVC Power, Type MV-105, 5kV 133% Three Conductor 500 kcmil, Aluminum

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 ground, and black PVC jacket. These cables are used in industrial power circuits.

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, Class B Strand (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	EPR
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed aluminum tape
FILLERS	Non-hygroscopic fillers and binder tape
GROUND	Bare Copper
JACKET	Black PVC
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 ASTM B231 ICEA S-93-639 ICEA S-97-682 NEC UL 1072 UL 1685
OTHER	EPA 40 CFR, PART 261 OSHA

SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	Ground Wire (AWG)	O.D. (in)	Net Weight (lbs / Mft)
E8FLR-A63F03CB01	500	0.775	1.27	0.115	4/0	2.70	3,850

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