

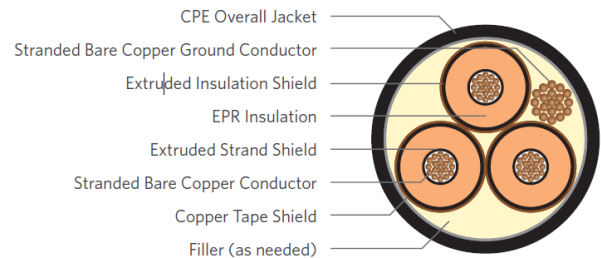
EPR/CTS/TP-CPE Power, Type MV-105, 5kV 133% Three Conductors 4/0 AWG, Copper

DESCRIPTION

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



SERIES E8FMR

CONSTRUCTION

CONDUCTOR	Bare Copper, Class B Strand (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	EPR
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed aluminum tape 25% overlap
FILLERS	Non-hygroscopic fillers and binder tape

CONSTRUCTION cont'd

GROUND CONDUCTOR	Uninsulated Bare Copper
JACKET	Black Thermoplastic Chlorinated Polyethylene (TP- CPE)
PACKAGING	Non-returnable reels
STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8 ASTM B8 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)
E8FMR-4A1B03CB00	4/0	0.507	0.792	0.110	3	2.17	3,529

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