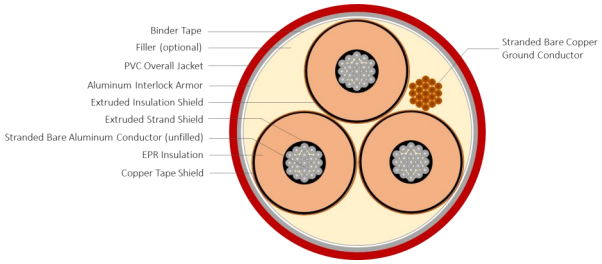
EPR/CTS/AIA/PVC Power, Type MV-105, 15kV 133%
Three Conductors 4/0 Aluminum

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, aluminum interlock Armor (AIA), and PVC jacket. These cables are used in industrial power circuits.

APPLICATIONS
- Primary installations include cable trays, and outdoor locations : direct burial, in conduit, duct, free air, and raceways. Sunlight resistant.
- 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	Bare 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 CONDUCTOR	Uninsulated Bare Copper

CONSTRUCTION cont'd

ARMOR	Aluminum Interlock Armored (AIA)
JACKET	Red PVC
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 FT4/IEEE 1202 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 kcmil	Nominal Conductor Diameter (in)	Nominal Insulation Diameter (in)	Ground Wire (AWG)	Nominal O.D. Over the Armor (in)	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / Kft)
E8JLP-4A3F03CBR0	4/0	0.503	0.98	4	2.610	0.80	2.77	3,075

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