

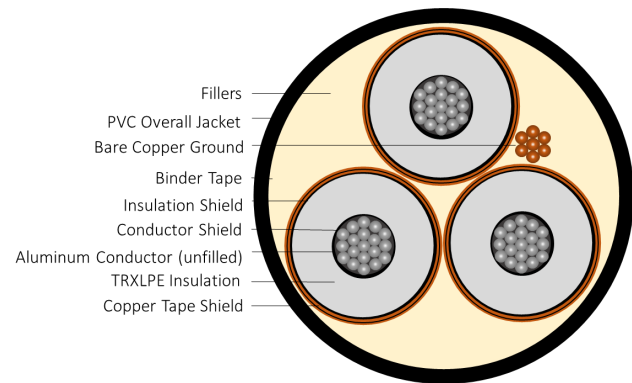
TR-XLPE/CTS/PVC Power, Type MV-105, 15kV 133%, 220-MILS Three Conductor Un-Filled Aluminum -Silicone Free

DESCRIPTION

The three conductor MV-105 power cables consist of aluminum unfilled Class B stranded conductors, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper tape shield, an uninsulated bare ground, and black polyvinyl chloride (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	Bare Aluminum, Class B Strand (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed aluminum tape
GROUND	Uninsulated Bare Copper
JACKET	Black Polyvinyl chloride (PVC)
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-230 ASTM B-231 ICEA S-93-639 ICEA S-97-682 UL 1072
OTHER	EPA 40 CFR, PART 261 OSHA

SPECIFICATIONS

Part Number	Conductor Size (kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	Metallic Shield	Ground Wire (AWG)	O.D. (in)	Net Weight (lbs/kft)
E8JUR-A63F03CB00	500	0.789	1.26	0.130	CTS with 25% overlap	2	3.19	4,375

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