

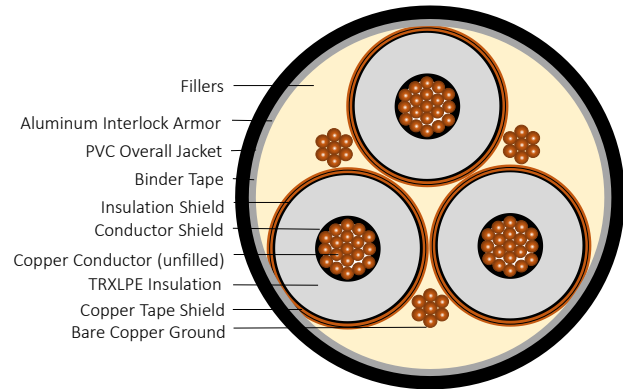
TR-XLPE/CTS/PVC Power, Type MV-105, 5kV 133% /8kV 100% Three Conductor 350 kcmil, Copper

DESCRIPTION

The three conductor MV-105 power cables consist of copper unfilled stranded conductors, covered with tree retardant cross-linked polyethylene (TR-XLPE), 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	Bare Copper, class B compressed 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 copper tape
FILLERS	Non-hygroscopic fillers and binder tape

CONSTRUCTION cont'd

GROUND CONDUCTOR	Uninsulated Bare Copper
JACKET	Black PVC
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)
E8FUR-A31B03CB00	350	0.661	0.93	0.115	2	2.42	5,185

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