

TR-XLPE/CTS/PVC Power, Type MV-105, 3 Conductors

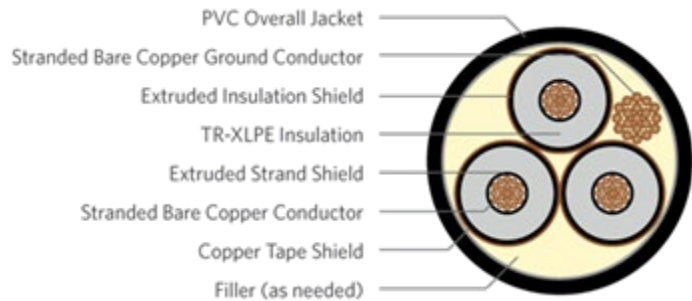
Part Number: E8FUR-A61B03CB00

DESCRIPTION

The Medium Voltage 3 Conductor TR-XLPE/Cu Tape Shield/PVC, Type MV-105 Power Cable consists of fully annealed bare copper Class B 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.

APPLICATION

- In conduit, duct, free air, raceways and direct burial, primary installations include cable trays, and outdoor locations.
- Direct burial
- In wet or dry locations
- 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



SPECIFICATIONS

Conductor	Bare Copper, Class B compressed strand	Packaging	Non-returnable reels
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)	Performance	ASTM B8 UL 1072 ICEA S-93-639 ICEA S-97-682 AEIC CS8 IEEE 1202 NEC
Shield	Helically applied 5-mil copper tape shield with 25% overlap	Other	EPA 40 CFR, Part 261
Fillers	Non-hygroscopic filler	Compliances	OSHA
Ground Conductors	Uninsulated bare copper		
Overall Jacket	Polyvinyl Chloride (PVC)		

3C #500MCM XLPE-TR 133 % INSULATION LEVEL 5 kV

PART NUMBER & PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Cond Diameter (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Ground Wire (AWG)	Overall Diameter (in.)	Net Weight lbs./MFT
E8FUR-A61B03CB00	500	.781	1.069	.140	1	2.825	7,058

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