

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

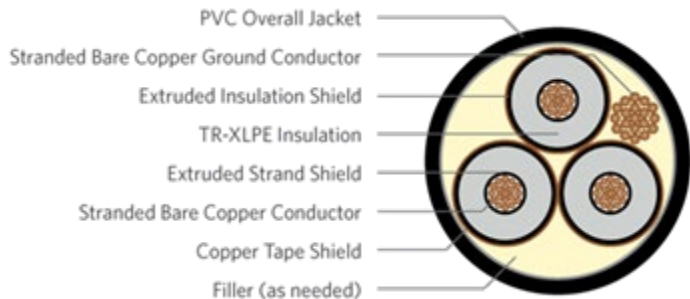
Part Number: E8JUR-A61B03CB00

**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**

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

**3C #500MCM XLPE-TR 133% INSULATION LEVEL 15 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
E8JUR-A61B03CB00	500	.781	1.069	.140	1	3.320	8,255