

TRXLPE/CTS/PVC Power, Type MV-105

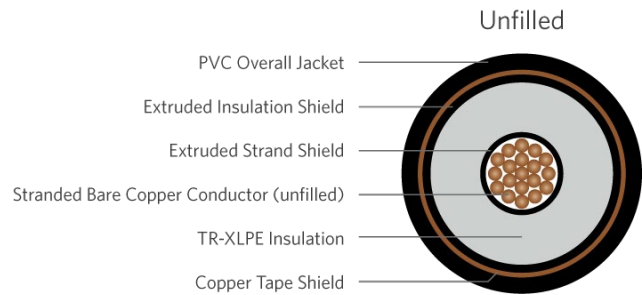
Series E8, 5kV 100% 90mils
E8EUE-A61B01CA00

DESCRIPTION

The Medium Voltage, TRXLPE/Cu Tape Shield/PVC, Type MV-105 Cable consists of fully annealed bare copper Class B stranded conductors, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper tape shield, 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.
- In direct burial if installed in a system with a ground that is in close proximity, and conforms with NEC 250.4 (A)(5)
- In wet or dry locations
- Max conductor operating temperature
 - 105°C for normal operations
 - 140°C for emergency overload
 - 250°C for short circuit



SPECIFICATIONS

Conductor	Fully annealed bare copper Class B compressed strand (unfilled)	Packaging	Non-returnable reels
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)	Performance Compliance	ASTM B8 UL 1072 (MV-105) ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 NEC
Shield	Copper tape shield with 25% Overlap		
Jacket	PVC		
Jacket Marking	1/0 AWG – 1000 kcmil: 00000 FT LS CABLE XXAWG (or XXXKCMIL) 1/C XXKV XXX% INSUL LEVEL XXXMILS EPR/PVC JKT TYPE MV-105 FOR CT USE (UL) SUN RES MADE IN USA MMDDYYYY (LIGHTNING BOLT)	Other Compliances	EPA 40 CFR, Part 261 OSHA

MV-105 EPR/CTS/PVC - 5kV 100% I.L., 90-mils

PART NUMBER AND PHYSICAL CHARACTERISTICS								
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Net Weight (lbs./MFT)	Ampacity	
							In Air	Duct
E8EUE-A61B01CA00	500	0.773	0.997	0.080	1.230	1,979		

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