EPR/CTS/PVC Power, Type MV-105

Series E8, 5kV 100% 90mils
E8ELE-A31T01CA00

DESCRIPTION

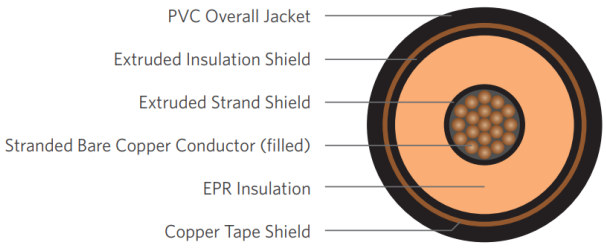
The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of full annealed bare copper Class B compact filled stranded conductor, covered with ethylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

PRODUCT NAME

TRXLPE/CTS/PVC Power, Type MV-105

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	Bare Copper, Class B compact filled strand
Insulation	Ethylene Propylene Rubber (EPR)
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)

Packaging	Non-returnable reels
Performance Compliance	ASTM B8 UL 1072 (MV-105) ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA

1C 350kcmil filled Cu CMPCT 5kV 100% 90mils EPR Cu Tape Shield PVC, MV-105

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)
E8ELE-A31T01CA00	350	0.604	0.83	0.080	1.06	1,443

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