

EPR/CTS/PVC Power, Type MV-105

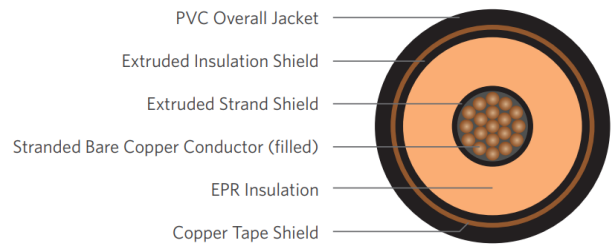
Series E8, 5kV 100% 90mils
E8ELE-A61T01CA00

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.

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	Packaging	Non-returnable reels
Insulation	Ethylene Propylene Rubber (EPR)		ASTM B8
Shield	Copper tape shield with 25% Overlap		UL 1072 (MV-105)
Jacket	PVC		ICEA S-93-639
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)	Performance Compliance	ICEA S-97-682 AEIC CS8 UL 1685 NEC
		Other Compliances	EPA 40 CFR, Part 261 OSHA

1C 500kcmil 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)	Ampacity	
							In Air	Duct
E8ELE-A61T01CA00	500							

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