

**EPR/CTS/PVC Power, Type MV-105**

E8FLE-1A1T01CA00

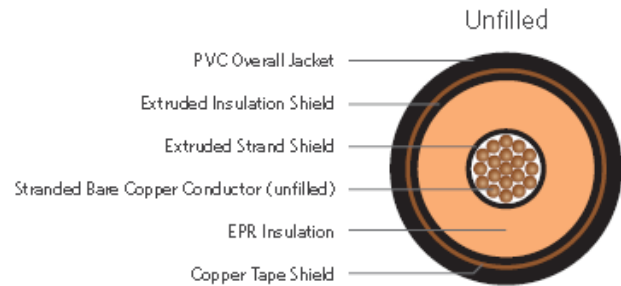
Series E8, 5kV 133% / 8kV 100% 115mils

**DESCRIPTION**

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of full annealed bare copper Class B compact 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
  - o 105°C for normal operations
  - o 140°C for emergency overload
  - o 250°C for short circuit



**SPECIFICATIONS**

<b>Conductor</b>	Bare Copper, Class B Compact Strand	<b>Packaging</b>	Non-returnable reels
<b>Insulation</b>	EPR	<b>Performance Compliance</b>	ASTM B8 UL 1072 (MV-105) ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL1685 Flame Test NEC
<b>Shield</b>	Copper tape shield with 25% Overlap	<b>Other Compliances</b>	EPA 40 CFR, Part 261 OSHA
<b>Jacket</b>	PVC		

**1C 1/0AWG 19-wires Cu (unfilled) 5kV 133%/8kV 100% 115mils 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
E8FLE-1A1T01CA00	1/0	0.336	0.602	.080	0.805	589	165	170

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