EPR/CTS/PVC Power, Type MV-105

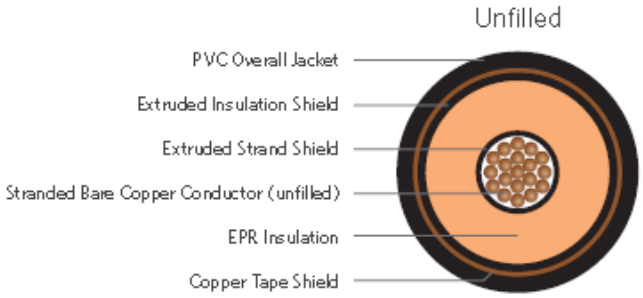
Series E8, 5kV 133% / 8kV 100% 115mils
E8FLE-2A1T01CA00

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
  - 105°C for normal operations
  - 140°C for emergency overload
  - 250°C for short circuit



SPECIFICATIONS

Conductor	Bare Copper, Class B Compact Strand
Insulation	EPR
Shield	Copper tape shield with 25% Overlap
Jacket	PVC
Jacket Marking	**1/0 AWG – 1000 kcmil:** 00000 FT SUPERIOR ESSEX 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 Flame Test NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA

2/0AWG MV-105 EPR/CTS/PVC - 5kV 133% / 8kV 100% I.L., 115-mils

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Cond Size Gauge	Cond Diameter (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Net Weight (lbs/mft)	Ampacity	
							In Air	Duct
E8FLE-2A1T01CA00	2/0 cu	.376 cu	.642	.080	.875	716	225	235

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