

EPR/CTS/PVC Power, Type MV-105

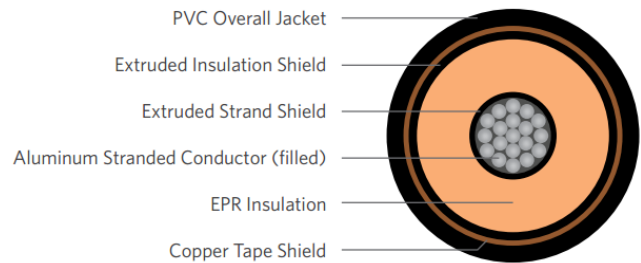
Series E8, 5kV 133% / 8kV 100% 115mils
E8FLE-2A6F01CA00

DESCRIPTION

The Superior Essex Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of an aluminum 1350 compressed stranded conductors, 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	Aluminum 1350 compressed Class B	Packaging	Non-returnable reels
Insulation	EPR	Performance Compliance	ASTM B8 UL 1072 (MV-105) ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 Flame test NEC
Shield	Copper tape shield with 25% Overlap	Other Compliances	EPA 40 CFR, Part 261 OSHA
Jacket	PVC		
Jacket Marking	1/0 AWG – 1000 kcmil: 00000 FT SUPERIOR ESSEX XXAWG (or XXXKCMIL) 1/C XXXKV XXX% INSUL LEVEL XXXMILS EPR/PVC JKT TYPE MV-105 FOR CT USE (UL) SUN RES MADE IN USA MMDDYYYY (LIGHTNING BOLT)		

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

PART NUMBER AND PHYSICAL CHARACTERISTICS								
Part Number	Cond Size	Cond Diameter	Insulation Diameter	Jacket Thickness	Overall Diameter	Net Weight	Ampacity	
	Gauge	(in.)	(in.)	(in.)	(in.)	(lbs/mft)	In Air	Duct
E8FLE-2A6F01CA00	2/0	0.401	0.685	0.060	0.964	436	190	200

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