

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

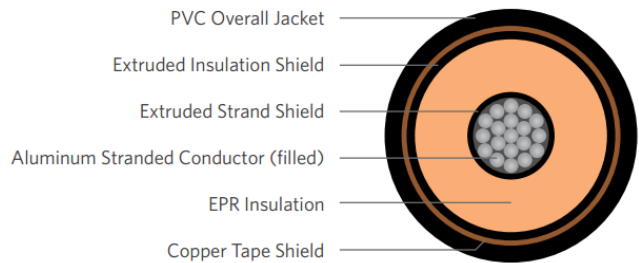
Part Number: E8FLE-B53F01CA00

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



**SPECIFICATIONS**

<b>Conductor</b>	Aluminum 1350 compressed Class B	<b>Packaging</b>	Non-returnable reels
<b>Insulation</b>	EPR	<b>Performance Compliance</b>	ASTM B-230, ASTM B-231 UL 1072 (MV-105) ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 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		
<b>Jacket Marking</b>	<b>1/0 AWG – 1000 kcmil:</b> 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)		

**MV-105 EPR/CTS/PVC - 5kV 133% / 8kV 100% I.L., 115-mils; 1000KCM 1350 Aluminum Compressed; with Copper Tape Shield; and an overall PVC Jacket**

**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-B53F01CA00	1000KCM	1.10	1.38	.080	1.61	1,599	645	590

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request. In Air Ampacity per NEC Table 310.60(C)(74) — Buried Duct Ampacity per NEC Table 310.60(C)(78).