

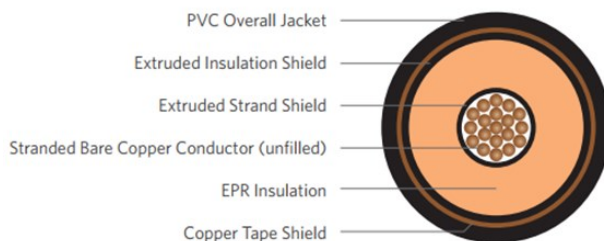
## EPR/CTS/PVC Power, Type MV-105, 5kV 133% 115-mils Single Conductor 600kcmil, Copper

### DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of full annealed bare copper Class B stranded conductors, covered with ethylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

### APPLICATIONS

- Primary installations include cable trays, and outdoor locations, sunlight resistant. In conduit, duct, free air, and raceways.
- Direct buried if installed in a system with a ground conductors that is in close proximity and conforms to NEC 2250.4 (A) (5)
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for 1/0 AWG and larger, per UL 1072
- Designed to operate continuously at a conductor temperature not exceeding
  - » 105°C for normal operations
  - » 140°C for emergency overload
  - » 250°C for short circuit



**SERIES E8FLE**

### CONSTRUCTION

<b>CONDUCTOR</b>	Bare Copper, Class B Strand (unfilled)
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer
<b>INSULATION</b>	EPR
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer
<b>SHIELD</b>	5 mil annealed copper tape helically applied with a 25% overlap
<b>JACKET</b>	PVC
<b>PACKAGING</b>	Wood reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B8 ICEA S-93-639 ICEA S-97-682 UL 1072 UL 1685 NEC
<b>OTHER</b>	EPA 40 CFR, PART 261 OSHA

### SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Nom. Conductor Diameter (in)	Nom. Insulation Diameter (in)	Nom. Jacket Thickness (in)	Approx. O.D. (in)	Approx. Net Weight (lbs / Mft)
E8FLE-A81B01CA00	600	0.866	1.102	0.080	1.34	2,340

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