

## EPR/CTS/PVC Power, Type MV-105, 5kV 133%/8kV 100%, 115mils

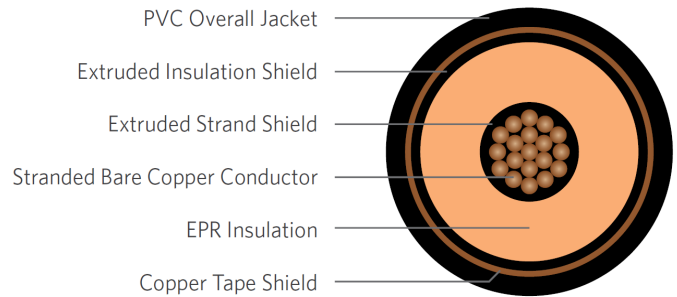
Part Number: E8FLE-B25B01CA00

### DESCRIPTION

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

### APPLICATION

- In conduit, duct, free air, and raceways, primary installations include cable trays, and outdoor locations
- • Approved for Class I, Div. 2 industrial hazardous locations per NEC
- 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



### SPECIFICATIONS

<b>Conductor</b>	Bare Copper, Class B compressed strand (filled)	<b>Packaging</b>	Non-returnable reels
<b>Insulation</b>	EPR	<b>Performance</b>	ASTM B8 UL 1072
<b>Conductor Strand Shield</b>	Extruded thermoset semi-conducting polymer over the conductor; Copper tape shield with 25% overlap	<b>Compliance</b>	ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 Flame Test NEC
<b>Jacket</b>	PVC	<b>Other Compliances</b>	EPA 40 CFR, Part 261 OSHA

## 1C 750kcmil 61-wires Cu (filled) 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)
E8FLE-B25B01CA00	750	0.968	1.231	0.080	1.463	2,886

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