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

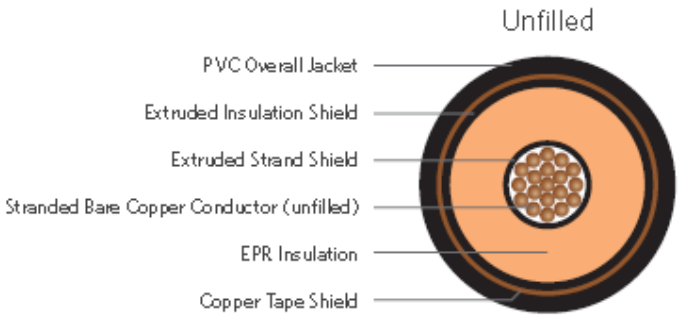
Part Number: E8FLE-B51B01CA00

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

Conductor	Bare Copper, Class B compressed strand (unfilled)
Insulation	EPR
Conductor Strand Shield	Extruded thermoset semi-conducting polymer over the conductor; Copper tape shield with 25% overlap
Jacket	PVC

Packaging	Non-returnable reels
Performance Compliance	ASTM B8 UL 1072 ICEA S-93-639 ICEA S-97-682 AEIC CS8 UL 1685 Flame Test NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA

1C 1000kcmil 61-wires Cu (unfilled) 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-B51B01CA00	1000	1.095	1.38	0.080	1.61	3,708

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