

EPR/CTS/AIA/PVC Power, Type MV-105, 3 Conductor, 5/8kV Yellow

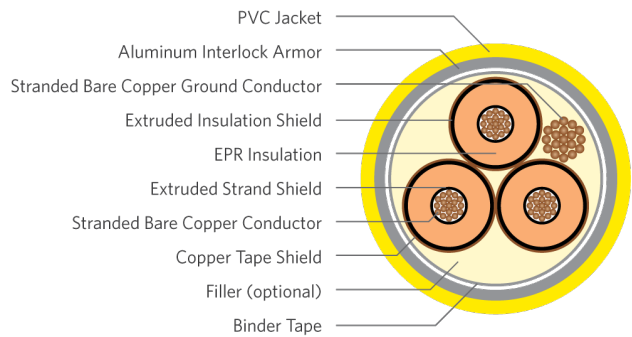
Part Number: E8FLP-2A1B03CBY1

DESCRIPTION

The Medium Voltage 3 Conductor EPR/Cu Tape Shield/PVC, Type MV-105 Power Cable consists of fully annealed bare copper Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, 1 AWG ground wire, a binder tape, aluminum interlock armored (AIA), and yellow 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.
- Direct burial
- In wet or dry locations
- 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	Fully Annealed Bare Copper, Class B compressed strand
Insulation	Ethylene Propylene Rubber (EPR)
Shield	Helically applied 5-mil copper tape shield with 25% overlap
Fillers	Non-hygroscopic filler
Ground Conductors	1 AWG Uninsulated Bare Copper
Overall Jacket	Polyvinyl Chloride (PVC)
Armor	Aluminum Interlock Armored (AIA)

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

3C 2/0 Cu 5kV 133%/8kV 100% 115mils EPR Cu Tape Shield Yellow PVC, MV-105

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Cond Diameter (in.)	Insulation Diameter (in.)	Ground Conductor (AWG)	Jacket Thickness (in.)	Overall Diameter (in.)	Net Weight lbs./MFT
E8FLP-2A1B03CBY1	2/0	0.405	0.680	1	0.065	2.000	2,725

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