

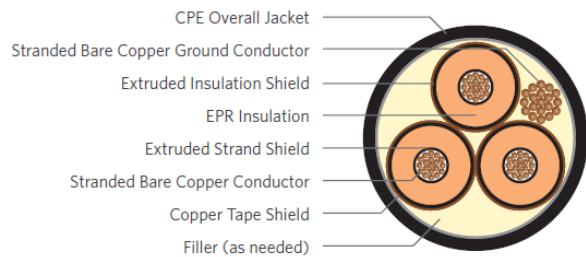
EPR/CTS/PVC Power, Type MV-105, 5kV 133% /8kV 100% Three Conductor 350 kcmil, Copper

DESCRIPTION

The three conductor MV-105 power cables consist of copper unfilled stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, an uninsulated bare ground, and black PVC jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable trays, and outdoor locations : sunlight resistant and direct burial. In conduit, duct, free air, raceways.
- 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 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 E8FLR

CONSTRUCTION

| | |
|--------------------------|---|
| CONDUCTOR | Bare Copper, Compact Strand (unfilled) |
| STRAND SHIELD | Thermoset semi-conducting polymer |
| INSULATION | EPR |
| INSULATION SHIELD | Thermoset semi-conducting polymer |
| SHIELD | 5 mil annealed copper tape |
| FILLERS | Non-hygroscopic fillers and binder tape |

CONSTRUCTION cont'd

| | |
|-------------------------|-------------------------|
| GROUND CONDUCTOR | Uninsulated Bare Copper |
| JACKET | Black PVC |
| PACKAGING | Non-returnable reels |

STANDARDS (Compliance)

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

| Part Number | Conductor Size AWG or kcmil | Conductor Diameter (in) | Insulation Diameter (in) | Jacket Thickness (in) | Ground Wire (AWG) | O.D. (in) | Net Weight (lbs / Mft) |
|------------------|--------------------------------|-------------------------------|--------------------------------|-----------------------------|-------------------------|--------------|---------------------------|
| E8FLR-A31T03CB00 | 350 | 0.616 | 0.878 | 0.110 | 2 | 2.27 | 4,792 |

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