

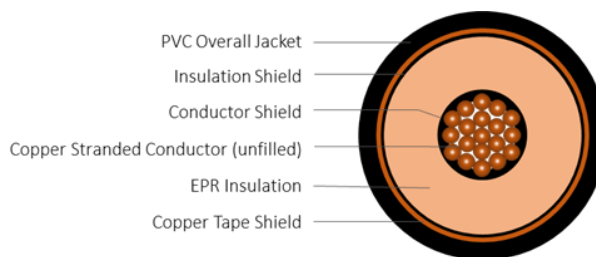
EPR/CTS/PVC Power, Type MV-105, 5kV 133% Single Conductor Un-Filled Copper - Silicone Free

DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cables that consist of a copper un-filled conductor, covered with ethylene propylene rubber (EPR), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable tray, outdoor locations, 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 with NEC 250.4 (A)(5).
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC.
- Excellent sunlight resistance.
- For CT use for 1/0AWG 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 G5KBEP

CONSTRUCTION

| | |
|--------------------------|--|
| CONDUCTOR | Fully annealed bare copper (unfilled) Class B compressed strand |
| STRAND SHIELD | Extruded thermoset semi-conducting polymer over the conductor |
| INSULATION | Ethylene propylene rubber (EPR) |
| INSULATION SHIELD | Extruded thermoset semi-conducting polymer over the insulation |
| SHIELD | 5 mil annealed copper tape helically applied with approximately 25% overlap |
| JACKET | Black Polyvinyl Chloride (PVC) |
| JACKET MARKING | 00000 FT LS CABLE XXXXKMIL (or AWG) CU 1/C 5KV 133% INSUL LEVEL 140 MILS EPR/PVC JKT MV-105 FOR CT USE (UL) SUN RES MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL) |
| PACKING | Non-returnable wood reels |

STANDARDS (Compliance)

| | |
|--------------------|--|
| PERFORMANCE | AEIC CS8 ASTM B3 ASTM B8 ICEA S-93-639/NEMA WC74 ICEA S-97-682 UL 1072 NEC |
| OTHER | EPA 40 CFR, Part 261 OSHA |

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| SPECIFICATIONS | | | | | | |
|-----------------------|----------------------------|-------------------------|--------------------------|-----------------------|------------------|--------------------------|
| Part Number | Conductor Size (AWG/kcmil) | Conductor Diameter (in) | Insulation Diameter (in) | Jacket Thickness (in) | Approx. O.D (in) | Approx. Weight (lbs/kft) |
| G5KBEP-A2CB-1CZ-T5Z-Z | 1250 | 1.250 | 1.64 | 0.105 | 1.95 | 4,785 |

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