

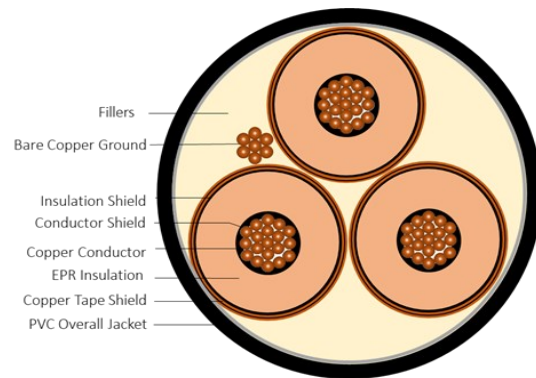
## EPR/CTS/PVC Power, Type MV-105, 5kV 133% / 8kV 100% 3 Conductor Un-Filled Copper -Silicone Free

### DESCRIPTION

The 3 Conductor MV-105 Power cables consist of fully annealed bare copper Class B stranded conductors covered with ethylene propylene rubber (EPR) copper tape shield and PVC jacket. These cables are used in industrial power circuits.

### APPLICATIONS

- In conduit, duct, free air, direct burial and raceway, primary installations include cable tray, and outdoor locations.
- In wet or dry locations.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC.
- Excellent sunlight resistance.
- For CT 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

<b>CONDUCTOR</b>	Fully annealed bare copper (unfilled) Class B Strand Compact
<b>STRAND SHIELD</b>	Extruded thermoset semi-conducting polymer over the conductor
<b>INSULATION</b>	Ethylene propylene rubber (EPR)
<b>INSULATION SHIELD</b>	Extruded thermoset semi-conducting polymer over the insulation
<b>PHASE IDENTIFICATION</b>	Color ribbons in each phase (black-red-blue)
<b>SHIELD</b>	5 mil annealed copper tape helically applied with approximately 25% overlap
<b>GROUND</b>	Uninsulated bare copper ground
<b>JACKET</b>	Black Polyvinyl Chloride (PVC)
<b>JACKET MARKING</b>	00000 FT LS CABLE XXXKCMIL (or AWG) CMPCT CU 3/C WITH GND 5KV 133% / 8kv 100% INSUL LEVEL 115 MILS EPR/ PVC JKT MV-105 FOR CT USE (UL) SUN RES DIR BUR MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
<b>PACKING</b>	Non-returnable wood reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B496 ICEA S-93-639 ICEA S-97-682 UL 1072 NEC
<b>OTHER</b>	EPA 40 CFR, Part 261 OSHA

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SPECIFICATIONS							
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Ground Size (AWG)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
G5KBEP-4ACT-3CG-T5Z-Z	4/0	0.475	0.77	3	0.105	2.09	2,145
G5KBEP-75CT-3CG-T5Z-Z	750	0.908	1.23	1/0	0.130	3.14	5,050

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