

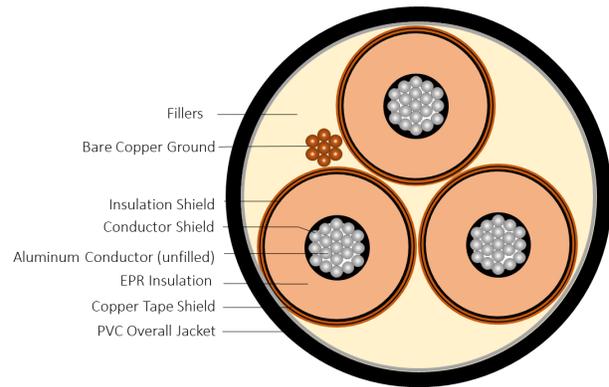
EPR/CTS/PVC Power, Type MV-105, 15kV 133% 3 Conductor Un-Filled Aluminum - Silicone Free

DESCRIPTION

The 3 Conductor MV-105 Power cable consists of un-filled aluminum, Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield (CTS), and a polyvinyl chloride (PVC) jacket. These cables are

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



CONSTRUCTION

CONDUCTOR	Aluminum 1350 (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
Phase ID	Color ribbons (black, blue, red)
SHIELD	5 mil annealed copper tape helically applied with approx. 25% overlap
GROUND	Uninsulated bare copper
JACKET	Black Polyvinyl Chloride (PVC)
JACKET MARKING	00000 FT LS CABLE XXXXKMIL (or AWG) AL 3/C 15KV 133% INSUL LEVEL 220 MILS EPR/PVC JKT MV-105 FOR CT USE (UL) SUN RES DIR BUR MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable wood reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 ASTM B230 ASTM B231 ICEA S-93-639 ICEA S-97-682 UL 1072 NEC
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OTHER	EPA 40 CFR, Part 261 OSHA
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SPECIFICATIONS							
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Ground Wire (AWG/kcmil)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
G15BEP-35AB-3CG-T5Z-Z	350	0.661	1.17	3	0.130	3.02	3,795

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