

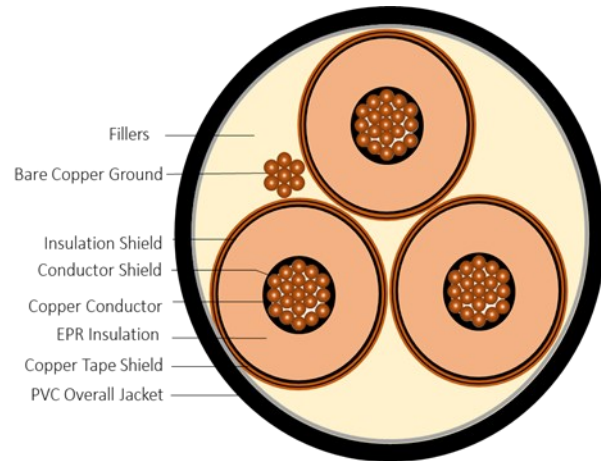
EPR/CTS/PVC Power, Type MV-105, 35kV 100% 3 Conductor Un-Filled Copper - Silicone Free

DESCRIPTION

The 3 Conductor MV-105 Power cables consist of a copper un-filled conductors, 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

- In conduit, duct, free air, direct burial and raceways, primary installations include cable trays, and outdoor locations.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC.
- Excellent sunlight resistance.
- For CT USE 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 G35AEP

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
PHASE IDENTIFICATION	Color ribbons in each phase (black-red-blue)
SHIELD	5 mil annealed copper tape helically applied with approximately 25% overlap
GROUND	Uninsulated bare copper ground
FILLERS	Non-hygroscopic fillers, as necessary to obtain a circular cross-section
JACKET	Black Polyvinyl Chloride (PVC)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) CU 3/C WITH GND 35KV 100% INSUL LEVEL 345 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 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)	Ground Size (AWG)	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
G35AEP-1ACB-3CG-T5Z-Z	1/0	0.362	1.12	4 AWG	0.105	2.84	3,730
G35AEP-50CB-3CG-T5Z-Z	500	0.789	1.56	1 AWG	0.130	3.85	9,075

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