

basic wire and cable

3900 N. ROCKWELL ST. CHICAGO, ILLINOIS 60618-3730, TEL: (773) 539-1800, FAX: (773) 539-3500

TYPE MC-IAC

INTERLOCKED ARMOR POWER CABLE

Three Conductor w/Ground

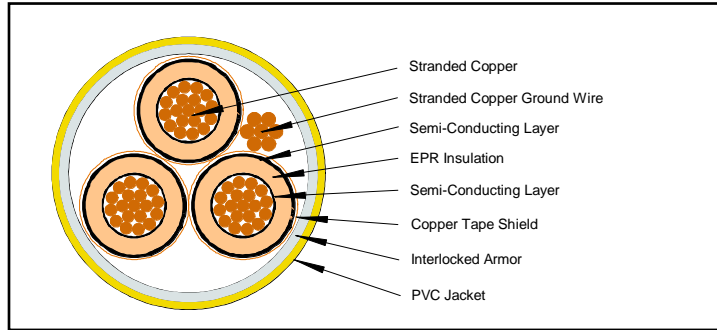
EPR Insulation

SHIELDED

Aluminum or Galvanized Steel Interlocked Armor

PVC Jacket

5kV (133%), 105°C



APPLICATIONS:

Where NEC jurisdiction applies; as Type MV-105 cable for installation aerially in conduits or in underground ducts, direct buried, or isolated in air, dry or wet locations, in cable trays, or with messenger, for power and control circuits not exceeding 5,000 volts at 133% insulation level for 105°C continuous, 140°C emergency, and 250°C short-circuit operation, in manufacturing and processing plants, substations and generating stations. When installed per NEC, cables meet the requirements of OSHA. Otherwise, for general-purpose applications where the protection of interlocked armor is required.

CONSTRUCTION:

Stranded copper conductors, semi-conducting layer, EPR insulation, semi-conducting layer, helically applied copper tape shield, conductors phase identified. Three conductors cabled together with a stranded copper grounding conductor in one interstice, suitable fillers, binder tape, aluminum or galvanized steel interlocked armor, yellow PVC jacket overall, surface printed.

STANDARDS:

1. Conforms to AEIC CS8.
2. Type MV-105 MC cable per article 334 of the NEC.
3. Overall jacket suitable for Sunlight Resistant and Direct Buried applications.
4. Cables designed to pass the IEEE-383 ribbon burner flame test and are suitable "For CT Use."
5. Cables conform to ICEA S-93-639 and ICEA S-97-682.

5,000 VOLT, SHIELDED, THREE CONDUCTORS WITH GROUND, 133% INSULATION LEVEL

| BASIC CAT. NO. | SIZE/AWG KCMIL | INSUL. THICK. mils | GROUND WIRE SIZE/AWG | O.D. in. | WEIGHT lbs/mft | |
|-------------------|-------------------|--------------------------|----------------------------|-------------|-------------------|----------------|
| | | | | | ALUM. ARMOR | STEEL ARMOR |
| 9-3054-G | 8 | 115 | 8 | 1.31 | 770 | 990 |
| 9-3055-G | 6 | 115 | 8 | 1.47 | 985 | 1205 |
| 9-3056-G | 4 | 115 | 6 | 1.58 | 1360 | 1745 |
| 9-3057-G | 2 | 115 | 6 | 1.71 | 1775 | 2160 |
| 9-3058-G | 1 | 115 | 4 | 1.78 | 2055 | 2475 |
| 9-3059-G | 1/0 | 115 | 4 | 1.91 | 2335 | 2745 |
| 9-3060-G | 2/0 | 115 | 4 | 2.01 | 2705 | 3130 |
| 9-3061-G | 3/0 | 115 | 3 | 2.12 | 2920 | 3375 |
| 9-3062-G | 4/0 | 115 | 3 | 2.24 | 3730 | 4290 |
| 9-3063-G | 250 | 115 | 3 | 2.36 | 4200 | 4770 |
| 9-3065-G | 350 | 115 | 2 | 2.62 | 5590 | 6220 |
| 9-3067-G | 500 | 115 | 1 | 2.93 | 7490 | 8210 |
| 9-3069-G | 750 | 115 | 1/0 | 3.37 | 10385 | 11195 |
| 9-3070-G | 1000 | 115 | 1/0 | 3.69 | 13345 | 14150 |

OPTIONS: Also available with -LZ Low Smoke Zero Halogen Jacket, -CP Chlorinated Polyethylene Jacket

Dimensional data not binding. We reserve the right to alter specifications without notice.
SHIPPING TOLERANCE +/- 10%

