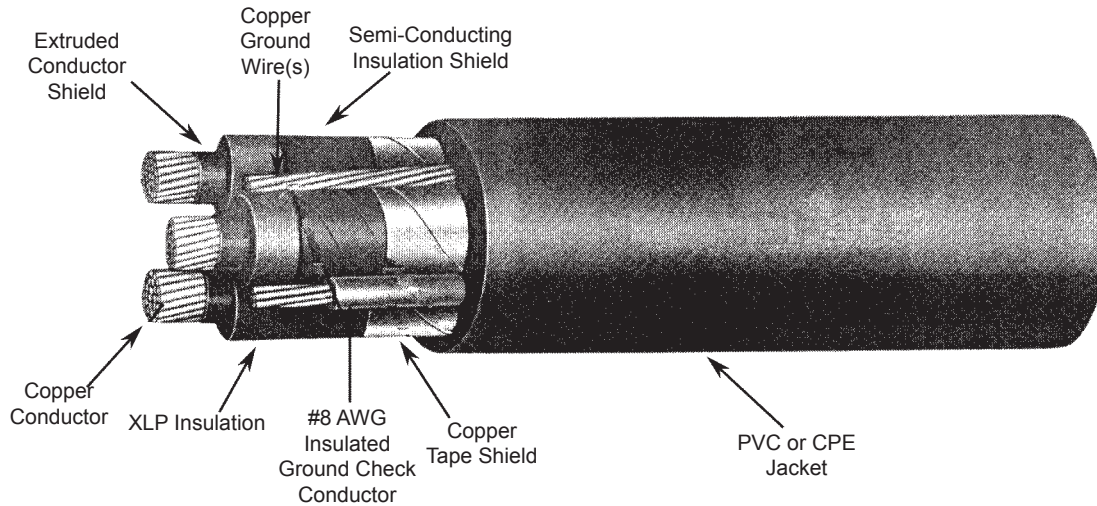


**MINE POWER FEEDER CABLE, TYPE MP-GC, 15000 VOLT, XLP, 90°C CONDUCTOR TEMPERATURE**

**SPEC 4-13-4**  
Ver. 7.1  
Revised: 12/04/08



**90°C CONDUCTOR TEMPERATURE, 100% OR 133% INSULATION LEVEL**

| Conductor         |                |              | Insulation in Mils | Overall Jacket in Mils | Size AWG Copper Ground Wire(s) | Approximate O.D. in Inches | Ampacity** 40°C Ambient | Approximate Net Weight LBS/KFT |
|-------------------|----------------|--------------|--------------------|------------------------|--------------------------------|----------------------------|-------------------------|--------------------------------|
| Size AWG or KCMIL | No. of Strands | Nominal O.D. |                    |                        |                                |                            |                         |                                |

**THREE CONDUCTOR 15000 VOLT SHIELDED, 100% INSULATION LEVEL**

|     |    |      |     |     |     |      |     |      |
|-----|----|------|-----|-----|-----|------|-----|------|
| 2   | 7  | 0.27 | 175 | 140 | 6   | 1.95 | 164 | 2175 |
| 1*  | 19 | 0.32 | 175 | 140 | 5   | 2.07 | 187 | 2505 |
| 1/0 | 19 | 0.34 | 175 | 140 | 4   | 2.10 | 215 | 2805 |
| 2/0 | 19 | 0.38 | 175 | 140 | 3   | 2.19 | 246 | 3230 |
| 3/0 | 19 | 0.42 | 175 | 140 | 2   | 2.29 | 283 | 3760 |
| 4/0 | 19 | 0.48 | 175 | 140 | 1   | 2.40 | 325 | 4415 |
| 250 | 37 | 0.52 | 175 | 140 | 1/0 | 2.53 | 359 | 5080 |
| 350 | 37 | 0.62 | 175 | 140 | 2/0 | 2.78 | 438 | 6540 |
| 500 | 37 | 0.74 | 175 | 170 | 4/0 | 3.10 | 536 | 8975 |

**THREE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL**

|     |    |      |     |     |   |      |     |      |
|-----|----|------|-----|-----|---|------|-----|------|
| 1*  | 19 | 0.32 | 220 | 140 | 5 | 2.27 | 187 | 2780 |
| 1/0 | 19 | 0.34 | 220 | 140 | 4 | 2.30 | 215 | 3080 |
| 2/0 | 19 | 0.38 | 220 | 140 | 3 | 2.39 | 246 | 3515 |
| 3/0 | 19 | 0.42 | 220 | 140 | 2 | 2.49 | 283 | 4055 |
| 4/0 | 19 | 0.48 | 220 | 140 | 1 | 2.60 | 325 | 4720 |

Note: \*\*Based on one three conductor cable in free air per ICEA/NEMA.

The above data is approximate and subject to normal manufacturing tolerances.

\*Compressed conductors.

**STANDARDS AND RATINGS:**

1. Listed for CFR 30 Part 7K per MSHA.
2. Cable UL listed as Type MP-GC. (PVC & CPE Jacketed)
3. Conductors and materials conform to UL 1072.
4. Conductors and materials conform to ICEA S-93-639.
5. Conforms to ICEA S-75-381/NEMA WC58 Portable and Power Feeder Cables for Use in Mines and Similar Applications.

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