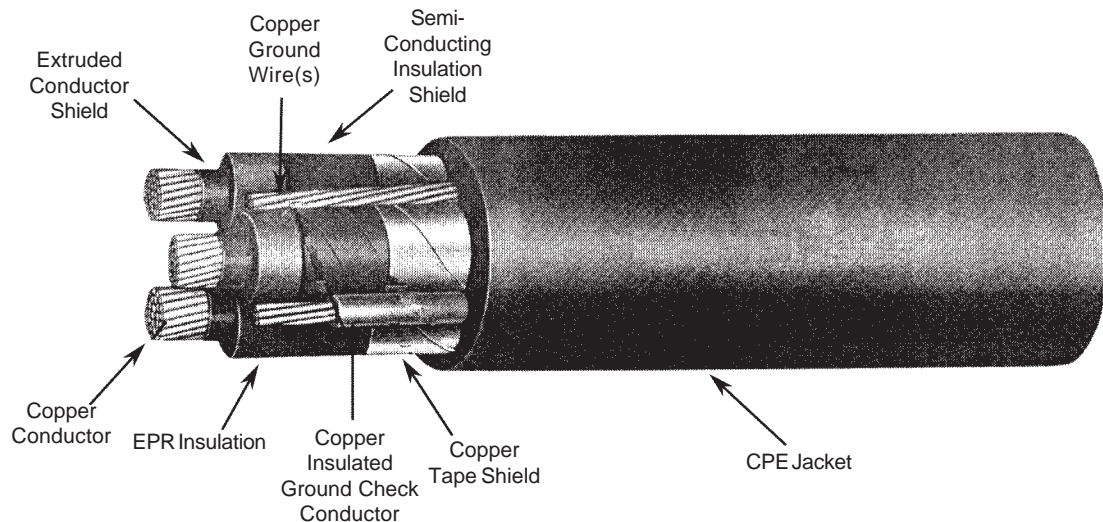


MINE POWER FEEDER CABLE, TYPE MP-GC, 15000 VOLT, EPR, 90°C CONDUCTOR TEMPERATURE

SPEC 4-23-4
Ver. 7.0
Revised: 05/24/06



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	2280
1*	19	0.32	175	140	5	2.07	187	2620
1/0	19	0.34	175	140	4	2.10	215	2920
2/0	19	0.38	175	140	3	2.19	246	3355
3/0	19	0.42	175	140	2	2.29	283	3895
4/0	19	0.48	175	140	1	2.40	325	4560
250	37	0.52	175	140	1/0	2.53	359	5240
350	37	0.62	175	140	2/0	2.78	438	6720
500	37	0.74	175	170	4/0	3.10	536	9185

THREE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL

1*	19	0.32	220	140	5	2.27	187	2935
1/0	19	0.34	220	140	4	2.30	215	3240
2/0	19	0.38	220	140	3	2.39	246	3685
3/0	19	0.42	220	140	2	2.49	283	4240
4/0	19	0.48	220	140	1	2.60	325	4920

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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