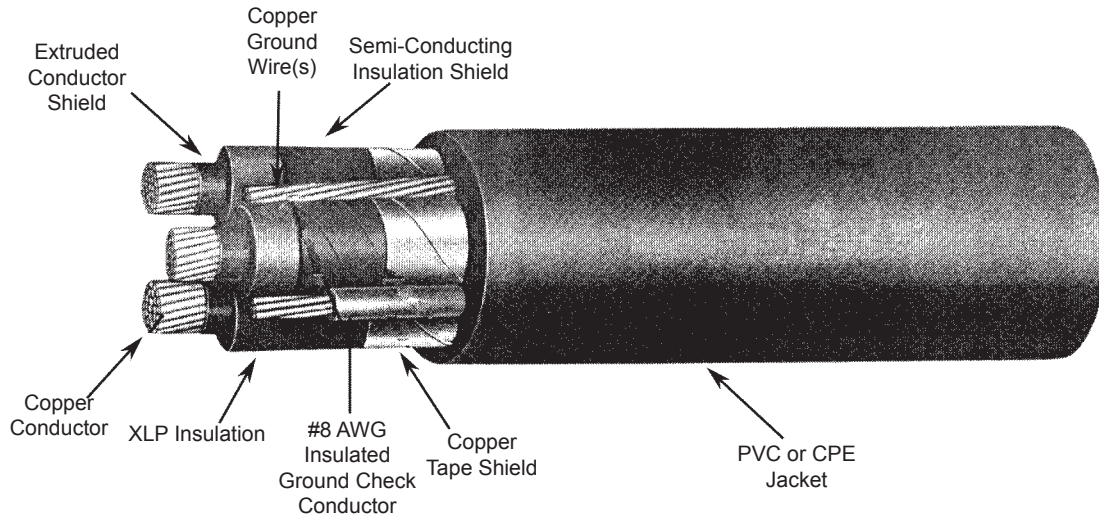


MINE POWER FEEDER CABLE, TYPE MP-GC, 15000 VOLT, XLP, 90°C CONDUCTOR TEMPERATURE

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.
*Compressed conductors.

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

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.

AETNA INSULATED WIRE, INC.
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

