

PORTABLE POWER CABLE

UL Type MP-GC and ICEA Type MPF-GC

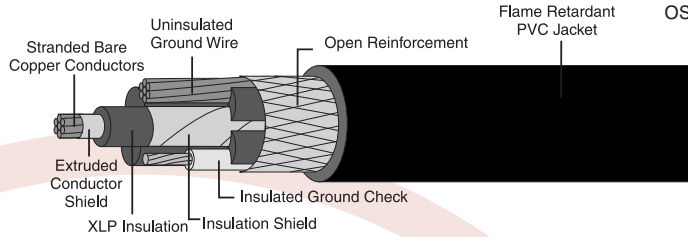
3/C Mine Power Feeder Cable w/Ground Check • XLP Insulation • PVC Jacket
6 AWG - 500 MCM • 5000/8000/15000 Volts • 90°C to -40°C



MSHA Listed
OSHA Acceptable

FEATURES

- Meets ICEA requirements (except uncoated grounds)
- OSHA acceptable
- Passes MSHA flame test (P-XXX-MSHA)
- Excellent heat and moisture resistance
- Flexibility for easy handling
- Resistant to most oils and chemicals
- Flame retardant
- UL listed



APPLICATIONS

Designed for use in high voltage distribution circuits for permanent (or semi-portable) installations in bore holes, shafts, open pits, strip mines and tunnels.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
Concentric stranded per ASTM B-8

Conductor Shield

Extruded semi-conducting compound

Insulation

90°C cross-linked polyethylene (XLP)
ICEA S-75-381

Insulation Shield

Extruded semi-conducting compound
Bare copper tape (.003")

Color Code

Printed Black, White, Red

Ground Wires

Uninsulated, annealed stranded bare copper

Ground Check

Annealed stranded bare copper, separator, yellow XLP insulation.

Cabling

Three shielded conductors are assembled round with two uninsulated ground wires, one yellow insulated ground check and jute fillers as needed.

Cable Reinforcement

An open reinforcement is applied over the assembly for mechanical strength.

Jacket

Black flame retardant PVC ICEA S-75-381

Cable Identification of 5kV

Indent print on jacket
“(size) 3/C Type MP-GC 5000V 100%
or 133% Ins. Level (UL) Cat. No. 33
P-XXX-XX-MSHA”

Cable Identification of 8 and 15kV

Indent print on jacket
“(size) 3/C Type MP-GC (voltage) 100%
Ins. Level (UL) Cat. No. 33 P-XXX-XX-MSHA”

Note: Also available as UL listed
EPR/Neoprene or EPR/CPE.

PART NUMBER	POWER CONDUCTORS			GROUNDING CONDS.		GROUND CHECK		NOMINAL O.D.	AMPS ¹	SHIP WT. LBS./M FT.
	SIZE	STRANDING	INS.	SIZE	STRANDS	SIZE	INS.			
UL TYPE MP-GC • 5000 VOLTS • 100% AND 133% INSULATION LEVEL • ES-13139										
05-1057	6	7x.0612	.090	10	7x.0385	10	.030	1.320	93	980
05-1059	4	7x.0772	.090	8	7x.0486	8	.045	1.425	122	1265
05-1061	2	7x.0974	.090	6	7x.0612	8	.045	1.545	159	1610
05-1063	1	19x.0664	.090	5	7x.0688	8	.045	1.676	184	1940
05-1065	1/0	19x.0745	.090	4	7x.0772	8	.045	1.750	211	2265
05-1067	2/0	19x.0837	.090	3	7x.0867	8	.045	1.870	243	2670
05-1069	3/0	19x.0940	.090	2	7x.0974	8	.045	2.040	279	3270
05-1071	4/0	19x.1055	.090	1	19x.0664	8	.045	2.110	321	3920
05-1073	250	37x.0822	.090	1/0	19x.0745	8	.045	2.275	355	4660
05-1075	350	37x.0973	.090	2/0	19x.0837	8	.045	2.500	435	6130
05-1077	500	37x.1162	.090	4/0	19x.1055	8	.045	2.820	536	8240
UL TYPE MP-GC • 8000 VOLTS • 100% INSULATION LEVEL • ES-13140										
05-1079	6	7x.0612	.115	10	7x.0385	10	.030	1.430	93	1090
05-1081	4	7x.0772	.115	8	7x.0486	8	.045	1.540	122	1325
05-1083	2	7x.0974	.115	6	7x.0612	8	.045	1.670	159	1775
05-1085	1	19x.0664	.115	5	7x.0688	8	.045	1.885	184	2065
05-1087	1/0	19x.0745	.115	4	7x.0772	8	.045	1.970	211	2085
05-1089	2/0	19x.0837	.115	3	7x.0867	8	.045	2.000	243	2950
05-1091	3/0	19x.0940	.115	2	7x.0974	8	.045	2.175	279	3605
05-1093	4/0	19x.1055	.115	1	19x.0664	8	.045	2.225	321	4245
05-1095	250	37x.0822	.115	1/0	19x.0745	8	.045	2.415	355	4980
05-1097	350	37x.0973	.115	2/0	19x.0837	8	.045	2.640	435	6280
05-1099	500	37x.1162	.115	4/0	19x.1055	8	.045	3.035	536	8470
UL TYPE MP-GC • 15000 VOLTS • 100% INSULATION LEVEL • ES-13141										
05-1101	2	7x.0974	.175	6	7x.0612	8	.045	1.990	164	2235
05-1103	1	19x.0664	.175	5	7x.0688	8	.045	2.065	187	2665
05-1105	1/0	19x.0745	.175	4	7x.0772	8	.045	2.150	215	3020
05-1107	2/0	19x.0837	.175	3	7x.0867	8	.045	2.245	246	3520
05-1109	3/0	19x.0940	.175	2	7x.0974	8	.045	2.355	283	4130
05-1111	4/0	19x.1055	.175	1	19x.0664	8	.045	2.470	325	4895
05-1113	250	37x.0822	.175	1/0	19x.0745	8	.045	2.600	359	5400
05-1115	350	37x.0973	.175	2/0	19x.0837	8	.045	2.910	438	6730
05-1117	500	37x.1103	.175	4/0	19x.0940	8	.045	3.190	502	8515

¹Ampacities (Amps per conductor) are based on 40°C ambient temperature in air, 90°C conductor temperature.

Note: Outer jacket (both PVC and CPE jacketed cables) is available in optional colors for special orders.

Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.