

# MP-GC 5000V XLP/PVC

## Mine Power Feeder Cable – XLP / PVC 90°C MSHA Mining Grade



### SPECIFICATIONS & STANDARDS

UL 1072, ASTM B 8, ICEA S-75-381/NEMA WC58

### CONSTRUCTION:

- Conductor:** Bare copper, concentric strand ASTM B 8
- Conductor shield:** Extruded semi-conducting compound
- Insulation:** Cross-linked polyethylene (XLP) 90°C
- Insulation shield:** Extruded semi-conducting compound, copper tape 0.003
- Grounding cond:** Bare copper Class B
- Ground check :** Bare copper, ICEA S-75-381 sec 4.6; Yellow XLP 45mils insulation
- Assembly:** Three power conductor, ground check and two non-insulated grounding conductors cabled together with rubber fillers to form round core; Estrofol binder tape applied overall
- Reinforcement:** Reinforcement applied over the assembly for mechanical strength
- Jacket:** Black flame retardant PVC, ICEA S-75-381 table 4-7
- Color Code:** Color code tape: black, white, red applied under metallic shielding tape provides circuit identification, ICEA S-75-381 sec 4.6



FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Maximum continuous conductor temperature 90°C</li> <li>- Flame resistant</li> <li>- Oil resistant upon special request</li> <li>- Indent printed for easy identification</li> </ul>	<ul style="list-style-type: none"> <li>- Shielded high voltage power distribution cable suitable for installation in bore holes, shafts, horizontal runs in underground entries, aerial suspension on insulators and other semi-permanent and permanent mining and industrial feeder installations</li> </ul>

### APPROVALS:

**MSHA:** P-7K-254064-1  
CSA certified product available

### SPECIAL FACTORY OPTIONS:

**Jacket:** Other colors available

### UL TYPE MP-GC – 5000 VOLTS – 100% INSULATION LEVEL

Part Number	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approx. Weight		Ampacity <sup>(1)</sup> 40°C Ambient Temp.
			Ground	Ground Check			inches	mm	lbs/1000 ft	kgs/km	
	AWG or MCM	No. of Stranding	AWG	AWG	inches	inches	inches	mm	lbs/1000 ft	kgs/km	A
MPGC5KV4-3	4	7	8	8	0.090	0.110	1.39	35.4	1290	1920	122
MPGC5KV2-3	2	7	6	8	0.090	0.110	1.51	38.3	1620	2410	159
MPGC5KV1-3	1	19	5	8	0.090	0.110	1.59	40.4	1880	2800	184
MPGC5KV1/0-3	1/0	19	4	8	0.090	0.110	1.67	42.5	2190	3270	211
MPGC5KV2/0-3	2/0	19	3	8	0.090	0.110	1.81	46.0	2660	3970	243
MPGC5KV3/0-3	3/0	19	2	8	0.090	0.140	1.93	49.0	3170	4720	279
MPGC5KV4/0-3	4/0	37	1	8	0.090	0.140	2.06	52.3	3760	5600	321
MPGC5KV250-3	250	37	1/0	8	0.090	0.140	2.14	54.4	4300	6410	355
MPGC5KV350-3	350	37	2/0	8	0.090	0.140	2.36	60.0	5600	8350	435
MPGC5KV500-3	500	37	4/0	8	0.090	0.140	2.71	68.7	7860	11710	536

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

### STANDARD PRINT LEGEND:

TF CABLE 5000V (SIZE) GROUNDED MP-GC P-7K-254064-MSHA

