

MP-GC 8000V 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"> - Maximum continuous conductor temperature 90°C - Flame resistant - Oil resistant upon special request - Indent printed for easy identification 	<ul style="list-style-type: none"> - Shielded high voltage power distribution cable suitable for insulation in boreholes, shafts, horizontal runs in underground entries, aerial suspension on insulators and other semi-permanent mining and industrial feeder installations

APPROVALS:

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

SPECIAL FACTORY OPTIONS:

Jacket: Other colors available

UL TYPE MP-GC – 8000 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 ⁽¹⁾ 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
MPG8KV4-3	4 AWG	7	8	8	0.115	0.110	1.49	37.8	1350	2010	122
MPGC8KV2-3	2 AWG	7	6	8	0.115	0.110	1.63	41.3	1740	2590	159
MPGC8KV1-3	1 AWG	19	5	8	0.115	0.110	1.71	43.4	2010	3000	184
MPGC8KV1/0-3	1/0 AWG	19	4	8	0.115	0.140	1.79	45.5	2320	3460	211
MPGC8KV2/0-3	2/0 AWG	19	3	8	0.115	0.140	1.93	49.0	2810	4190	243
MPGC8KV3/0-3	3/0 AWG	19	2	8	0.115	0.140	2.05	52.1	3320	4950	279
MPGC8KV4/0-3	4/0 AWG	37	1	8	0.115	0.140	2.18	55.3	3920	5850	321
MPGC8KV250-3	250 MCM	37	1/0	8	0.115	0.140	2.26	57.4	4480	6680	355
MPGC8KV350-3	350 MCM	37	2/0	8	0.115	0.140	2.48	63.1	5810	8660	435
MPGC8KV500-3	500 MCM	37	4/0	8	0.115	0.140	2.82	71.8	8060	12020	536

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

STANDARD PRINT LEGEND:

TF CABLE 8000V (SIZE) GROUNDED MP-GC P-7K-254064-MSHA

