

MP-GC 15000V 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 installation in boreholes, shafts, horizontal runs in underground entries, aerial suspension on insulators and other semi-permanent and 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 – 15000 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
MPGC15KV2-3	2 AWG	7	6	8	0.175	0.140	1.90	48.2	2100	3130	164
MPGC15KV1-3	1 AWG	19	5	8	0.175	0.140	2.03	51.7	2470	3680	187
MPGC15KV1/0-3	1/0 AWG	19	4	8	0.175	0.140	2.12	53.8	2800	4170	215
MPGC15KV2/0-3	2/0 AWG	19	3	8	0.175	0.140	2.20	55.9	3190	4760	246
MPGC15KV3/0-3	3/0 AWG	19	2	8	0.175	0.140	2.32	58.9	3710	5530	283
MPGC15KV4/0-3	4/0 AWG	37	1	8	0.175	0.140	2.45	62.2	4310	6430	325
MPGC15KV250-3	250 MCM	37	1/0	8	0.175	0.140	2.53	64.4	4940	7370	359
MPGC15KV350-3	350 MCM	37	2/0	8	0.175	0.140	2.75	69.9	6250	9320	438
MPGC15KV500-3	500 MCM	37	4/0	8	0.175	0.140	3.10	78.7	8600	12810	540

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

STANDARD PRINT LEGEND:

TF CABLE 15000V (SIZE) GROUNDED MP-GC P-7K-254064-MSHA



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