

TYPE MP-GC 3/c 15kV XLP/PVC

Three conductor Mine power feeder cable Mining grade

SPECIFICATIONS & STANDARDS

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

CONSTRUCTION:

- Conductors:** Uncoated annealed copper, concentric stranded per ASTM B 8
Conductors shield: Extruded semi-conducting compound
Insulation: Cross-linked polyethylene (XLP) 90°C
Insulation shield: Extruded semi-conducting compound, copper tape 0.003"
Circuit identification: A color code tape (black, white, red) applied under the metallic shielding tape shall provide circuit identification on each power conductor in accordance with Par. 4.6 of ICEA
- Grounding conductors:** Annealed bare copper Class B
Ground check : Annealed bare copper between the black and white power conductor
Yellow XLP 45 mils insulation as per Par. 4.4.2 of ICEA S-66-524
- Assembly:** Three power conductor, ground check and two non-insulated grounding conductors cabled together with left hand lay with rubber fillers as required to make a round core; Estrofol binder tape applied overall
- Cable reinforcement:** Reinforcement is applied over the assembly for mechanical strength
Jacket: Flame retardant PVC compound in accordance with Par. 4.8 of ICEA S-75-381
Color of jacket: Black; Other color available



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

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

MSHA: P-7K-256064



TELE-FONIKA CABLE AMERICAS

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TYPE MP-GC 3/c 15kV XLP/PVC

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
MPGC2-15KV	2 AWG	7	6	8	0.175	0.140	1.90	48.2	2100	3130	164
MPGC1-15KV	1 AWG	19	5	8	0.175	0.140	2.03	51.7	2470	3680	187
MPGC1/0-15KV	1/0 AWG	19	4	8	0.175	0.140	2.12	53.8	2800	4170	215
MPGC2/0-15KV	2/0 AWG	19	3	8	0.175	0.140	2.20	55.9	3190	4760	246
MPGC3/0-15KV	3/0 AWG	19	2	8	0.175	0.140	2.32	58.9	3710	5530	283
MPGC4/0-15KV	4/0 AWG	37	1	8	0.175	0.140	2.45	62.2	4310	6430	325
MPGC250-15KV	250 MCM	37	1/0	8	0.175	0.140	2.53	64.4	4940	7370	359
MPGC350-15KV	350 MCM	37	2/0	8	0.175	0.140	2.75	69.9	6250	9320	438
MPGC500-15KV	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:

TELE-FONIKA 15000V (SIZE) GROUNDED MP-GC P-7K-254064-MSHA

