

## 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 insulation in boreholes, shafts, horizontal runs in underground entries, aerial suspension on insulators and other semi-permanent mining and industrial feeder installations</li> </ul>

### APPROVALS:

**MSHA:** P-7K-254064

### 5000V – 100% and 133% 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
MPGC2/0-5KV	2/0	19	3	8	0.090	0.110	1.81	46.0	2660	3970	243
MPGC4/0-5KV	4/0	37	1	8		0.140	2.06	52.3	3760	5600	321

(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

### 15000V – 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
MPGC2/0-15KV	2/0 AWG	19	3	8	0.175	0.140	2.20	55.9	3190	4760	246
MPGC4/0-15KV	4/0 AWG	37	1	8			2.45	62.2	4310	6430	325

(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

### SPECIAL FACTORY OPTIONS:

**Jacket:** Other colors available