

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

5000V – 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 | |
| MPGC5KV2/0-3 | 2/0 | 19 | 3 | 8 | 0.090 | 0.110 | 1.81 | 46.0 | 2660 | 3970 | 243 |
| MPGC5KV4/0-3 | 4/0 | 37 | 1 | 8 | 0.090 | 0.140 | 2.06 | 52.3 | 3760 | 5600 | 321 |
| MPGC5KV2/0-3-RED | 2/0 | 19 | 3 | 8 | 0.090 | 0.110 | 1.81 | 46.0 | 2660 | 3970 | 243 |

(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 ⁽¹⁾ 40°C Ambient Temp. |
|---------------|----------------------|---------------------------|--------|--------------|------------------------------|--------------------------|--------------|------|----------------|--------|---|
| | | | Ground | Ground Check | | | inches | mm | lbs./1000 ft | kgs/km | |
| MPGC15KV2/0-3 | 2/0 AWG | 19 | 3 | 8 | 0.175 | 0.140 | 2.20 | 55.9 | 3190 | 4760 | 246 |
| MPGC15KV4/0-3 | 4/0 AWG | 37 | 1 | 8 | 0.175 | 0.140 | 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-254064-1-MSHA

SPECIAL FACTORY OPTIONS:

Jacket: Other colors available

