



Type MP-GC Three-Conductor Mine Power Feeder Cable, PVC Jacket, 8kV

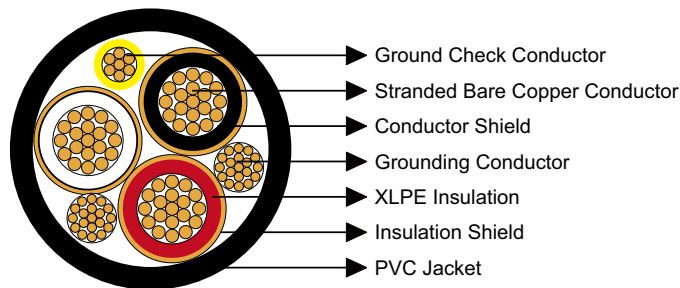
» Applications

These cables are designed for connections between units of mine distribution systems, suitable for installed in duct, conduit or open air and for direct burial in wet and dry locations.

» Standards

- ICEA S-75-381/NEMA WC 58
- ASTM B-8
- CAN/CSA-C22.2 No.96

» Construction



Conductors:

Stranded annealed bare copper conductor.

Conductor Shield:

Conducting layer.

Insulation:

Cross-Linked Polyethylene (XLPE).

Insulation Shield:

Conducting layer + copper tape.

Ground Check Conductor:

Copper conductor with a yellow polypropylene insulation.



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Grounding Conductor:

Tinned copper conductor.

Jacket:

Polyvinyl Chloride (PVC), black.

» Options

- Other jacket materials such as CSP/PCP/NBR/CPE/TPU are available upon request.

» Mechanical and Thermal Properties

Minimum Bending Radius: 12×OD

Maximum Conductor Operating Temperature: +90°C

» Dimensions and Weight

Construction	No. of Strands	Grounding Conductor Size	Ground Check Conductor Size	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
				inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	
3×4	7	8	8	0.115	2.9	0.11	2.8	1.52	38.6	1366	2032	122
3×2	7	6	8	0.115	2.9	0.11	2.8	1.58	40.1	1727	2569	159
3×1	19	5	8	0.115	2.9	0.11	2.8	1.66	42.2	2174	3234	184
3×1/0	19	4	8	0.115	2.9	0.11	2.8	1.74	44.2	2656	3952	211
3×2/0	19	3	8	0.115	2.9	0.14	3.6	1.90	48.3	2895	4307	243
3×3/0	19	2	8	0.115	2.9	0.14	3.6	2.00	50.8	3320	4950	279
3×4/0	19	1	8	0.115	2.9	0.14	3.6	2.12	53.8	3983	5926	321
3×250	37	1/0	8	0.115	2.9	0.14	3.6	2.22	56.4	4484	6671	355
3×350	37	2/0	8	0.115	2.9	0.14	3.6	2.43	61.7	5827	8669	435
3×500	37	4/0	8	0.115	2.9	0.14	3.6	2.70	68.6	7893	11743	536

Ampacity-Based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381.