



Type MP-GC Three-Conductor

Mine Power Feeder Cable, PVC Jacket, 15kV

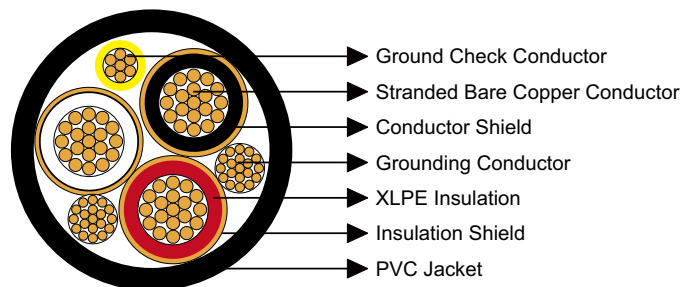
» Applications

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	
3×2	7	6	8	0.175	4.4	0.14	3.6	1.90	48.3	2021	3007	164
3×1	19	5	8	0.175	4.4	0.14	3.6	1.99	50.6	2503	3724	187
3×1/0	19	4	8	0.175	4.4	0.14	3.6	2.07	52.6	2658	3955	215
3×2/0	19	3	8	0.175	4.4	0.14	3.6	2.16	54.9	3066	4562	246
3×3/0	19	2	8	0.175	4.4	0.14	3.6	2.27	57.7	3710	5530	283
3×4/0	19	1	8	0.175	4.4	0.14	3.6	2.39	60.7	4369	6500	325
3×250	37	1/0	8	0.175	4.4	0.14	3.6	2.48	63.0	4875	7253	359
3×350	37	2/0	8	0.175	4.4	0.14	3.6	2.70	68.6	6412	9540	438
3×500	37	4/0	8	0.175	4.4	0.17	4.3	3.08	78.2	8610	12810	536

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