



Type MP-GC Three-Conductor Mine Power Feeder Cable, PVC Jacket, 5kV

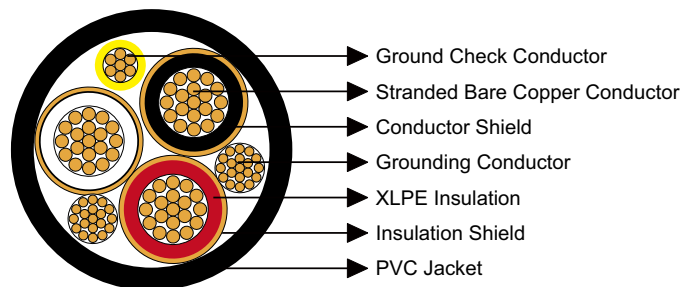
» Applications

These cables are designed for connections between units of mine distribution systems, suitable 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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Mine Power Feeder Cables

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	
No. of cores×AWG/kcmil	-	AWG/kcmil	AWG/kcmil	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A
3×4	7	8	8	0.09	2.3	0.11	2.8	1.41	35.8	1224	1821	122
3×2	7	6	8	0.09	2.3	0.11	2.8	1.47	37.3	1653	2459	159
3×1	19	5	8	0.09	2.3	0.11	2.8	1.54	39.1	1950	2901	184
3×1/0	19	4	8	0.09	2.3	0.11	2.8	1.63	41.4	2200	3273	211
3×2/0	19	3	8	0.09	2.3	0.11	2.8	1.72	43.7	2721	4048	243
3×3/0	19	2	8	0.09	2.3	0.14	3.6	1.89	48.0	3170	4720	279
3×4/0	19	1	8	0.09	2.3	0.14	3.6	2.01	51.0	3845	5721	321
3×250	37	1/0	8	0.09	2.3	0.14	3.6	2.10	53.3	4321	6429	355
3×350	37	2/0	8	0.09	2.3	0.14	3.6	2.31	58.7	5652	8409	435
3×500	37	4/0	8	0.09	2.3	0.14	3.6	2.59	65.8	7721	11487	536

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