Type MP-GC Three-Conductor

Mine Power Feeder Cable, CPE Jacket, 15kV

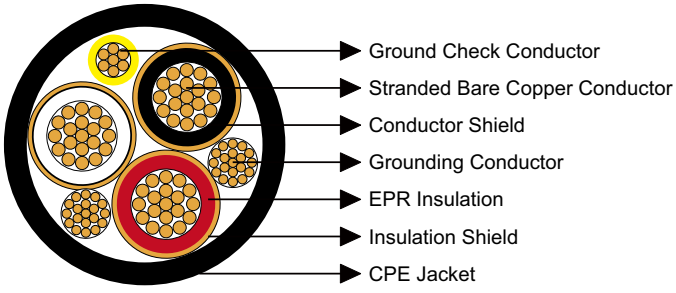
» Applications

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:

Ethylene Propylene Rubber (EPR).

Insulation Shield:

Conducting layer + copper tape.

Ground Check Conductor:

Copper conductor with a yellow polypropylene insulation.

Grounding Conductor:

Tinned copper conductor.

Jacket:

Chlorinated Polyethylene (CPE), black.

» Options

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

» Mechanical and Thermal Properties

Minimum Bending Radius: 12×OD

Maximum Conductor Operating Temperature: +90℃

» Dimensions and Weight

Construction	No. of Strands	Grounding Conductor Size	Ground Check Conductor SizeL	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
No. of cores×AWG/ kcmil	-	AWG/ kcmil	AWG/KCMI	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A
3×2	7	6	8	0.175	4.4	0.14	3.6	1.90	48.3	2517	3745	164
3×1	19	5	8	0.175	4.4	0.14	3.6	1.99	50.6	3023	4498	187
3×1/0	19	4	8	0.175	4.4	0.14	3.6	2.07	52.6	3296	4904	215
3×2/0	19	3	8	0.175	4.4	0.14	3.6	2.16	54.9	3679	5474	246
3×3/0	19	2	8	0.175	4.4	0.14	3.6	2.27	57.7	3878	5771	283
3×4/0	19	1	8	0.175	4.4	0.14	3.6	2.39	60.7	5146	7656	325
3×250	37	1/0	8	0.175	4.4	0.14	3.6	2.48	63.0	5618	8359	359
3×350	37	2/0	8	0.175	4.4	0.14	3.6	2.70	68.6	7055	10496	438
3×500	37	4/0	8	0.175	4.4	0.17	4.3	3.08	78.2	9405	13993	536

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