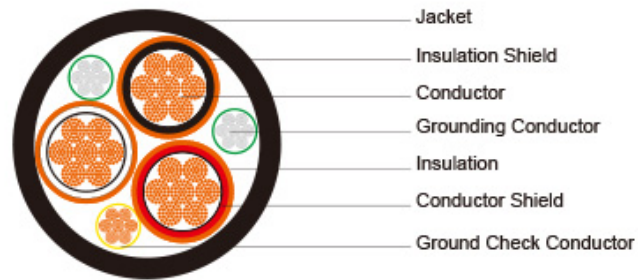


Type MP-GC Three-Conductor Mine Power Feeder Cable, CPE Sheath, 5kV



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 are available upon request. Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.
Mechanical and Thermal Properties	Minimum Bending Radius: 12×OD Maximum 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/ft
No. of cores×AWG/kcmil	-	AWG/kcmil	AWG/kcmil	inch	mm	inch	mm	inch	mm	lbs/ft	kg/m	A

3x6	7	10	8	0.0 9	2.3	0.1 1	2.8	1.3 0	33. 0	106 0	1577	93
3x4	7	8	8	0.0 9	2.3	0.1 1	2.8	1.4 1	35. 8	144 1	2144	122
3x2	7	6	8	0.0 9	2.3	0.1 1	2.8	1.4 7	37. 3	182 7	2718	159
3x1	19	5	8	0.0 9	2.3	0.1 1	2.8	1.5 4	39. 1	216 8	3226	184
3x1/0	19	4	8	0.0 9	2.3	0.1 1	2.8	1.6 3	41. 4	260 2	3871	211
3x2/0	19	3	8	0.0 9	2.3	0.1 1	2.8	1.7 2	43. 7	301 0	4478	243
3x3/0	19	2	8	0.0 9	2.3	0.1 4	3.6	1.8 9	48. 0	326 5	4859	279
3x4/0	19	1	8	0.0 9	2.3	0.1 4	3.6	2.0 1	51. 0	419 0	6234	321
3x250	37	1/0	8	0.0 9	2.3	0.1 4	3.6	2.1 0	53. 3	482 5	7179	355
3x350	37	2/0	8	0.0 9	2.3	0.1 4	3.6	2.3 1	58. 7	606 2	9019	435
3x500	37	4/0	8	0.0 9	2.3	0.1 4	3.6	2.5 9	65. 8	842 7	1253 8	536

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