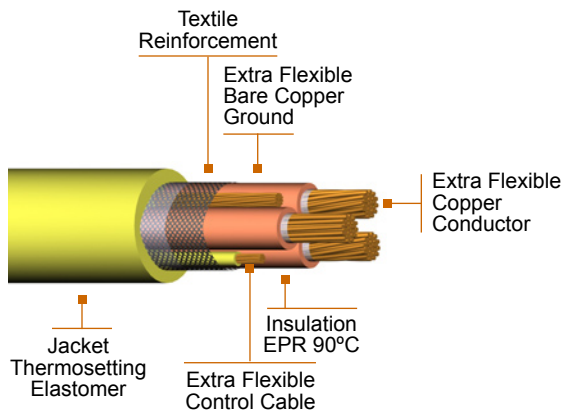


2 kV Portable Cable, EPR Insulation, Two Bare Ground Conductors, one ground check Conductor and a Thermosetting Elastomer Jacket



Detail Description or Construction

Conductor

Extra- flexible copper conductor, according ASTM B3

Insulation

100% insulation level oil, ozone and water resistant Ethylene propylene rubber (EPR) 90°C normal temperature operation, 130°C emergency overload condition, 250°C short circuit condition

Phases identification

Neutral or single colors compounds with surface printing color designations, according ICEA S-75-381. Identification phase by printed colors: Black, White and Red

Ground wires

Two bare, rope-lay flexible stranded, copper conductors

Ground check

One yellow insulated, rope-lay flexible stranded, copper conductor

Core assembly

Three phase conductors, two bare ground and one ground check conductors are cabled together with a left hand lay

Reinforcement

An open reinforcement is applied over the core for mechanical strength

Jacket

Extra heavy or Heavy duty elastomer jacket highly resistant to cutting, tear, sunlight, ozone and flame. It has an excellent resistance to heat, moisture, water, oil and most chemicals commonly present at mining field operations. The standard jacket is black and meets or exceeds all the requirements of ICEA S75-381. Alternate jacket colors are available as request

Packaging

Non-returnable wooden drums.

Options

- Thermoplastic Polyurethane (TPU)
- Jacket colors
- Put-up length (300 m)



G-GC

2 kV Portable Cable, EPR Insulation, Two Bare Ground Conductors, one ground check Conductor and a Thermosetting Elastomer Jacket

Application

Type G-GC cable is suitable for use with mobile mining equipment such as continuous miners, drills, cutters, loading machines, conveyors, pumps and AC shuttle cars; where grounding and a ground check control cables are required.

Standards / Testing Specifications

- G-GC cables meets or exceeds the requirements of ICEA S-75-381 and ICEA S-68-516.

Marking

G-GC.

Installation

G-GC can be used in indoors and outdoors locations under very severe environmental conditions such as the one commonly present at mining places. Conductor design and raw materials used, allows the cable to be installed directly on rough mining fields, not requiring any previous preparation.



G-GC

2 kV Portable Cable, EPR Insulation, Two Bare Ground Conductors, one ground check Conductor and a Thermosetting Elastomer Jacket

CABLE TYPE G-GC 600 / 2000V 3 CONDUCTORS

Conductor Size	Nominal Area	No. Threads Minimum	Conductor Diameter	Insulation Thickness	Grounding Conductor Size	Control Conductor Size	OD Nominal	Aproximate Total Weight	Minimum Bending Radius	Ampacity
AWG / MCM	mm ²		mm	mm	AWG	AWG	mm	kg / km	mm	A
8	8.37	49	4.49	1.52	10	8	24.6	963	148	59
6	13.3	49	5.49	1.52	10	8	26.7	1,153	160	79
4	21.2	49	6.82	1.52	8	8	30.2	1,613	181	104
3	26.7	49	7.77	1.52	8	8	31.8	1,817	191	120
2	33.6	133	8.68	1.52	7	8	34.0	2,192	204	138
1	42.4	133	9.83	2.03	6	8	38.4	2,765	230	161
1/0	53.5	133	10.98	2.03	5	8	41.9	3,351	251	186
2/0	67.4	133	12.68	2.03	4	8	44.5	3,949	267	215
3/0	85.0	259	13.89	2.03	3	8	48.0	4,738	288	249
4/0	107	259	15.79	2.03	2	8	51.8	5,779	311	287
250	127	259	16.84	2.41	2	8	60.7	7,307	364	320
350	177	259	20.24	2.41	1/0	8	68.1	8,634	409	394
500	253	259	23.92	2.41	2/0	8	77.0	12,523	462	487

Ampacities (Current carrying capacities A): The ampacities listed are given according to NEC. The ampere figure are calculated for 90°C conductor temperature and 40°C ambient temperature.