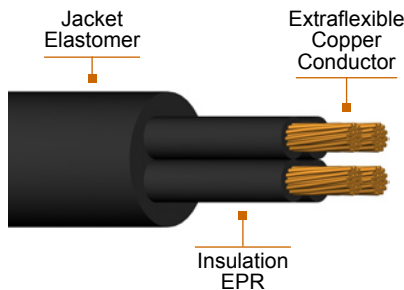


2 kV Portable Cable, EPR Insulation and Thermosetting Elastomer Heavy or Extra Heavy Duty Jacket



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

Two phases

Black and White

Three phases

Black, White and Green

Four phases

Black, White, Red and Green

Core assembly

The phase conductors are cabled together with a left hand lay

Reinforcement

An open reinforcement is applied over the core for mechanical strength

Jacket

Heavy duty or extra 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)

Application

For heavy duty low voltage service as power supply for mobile mining equipment where bare ground conductor are not required, such as conveyors, drills and pumps. Also suitable for low voltage distribution as a flexible power supply cable.

Standards / Testing Specifications

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

Marking

W.

Installation

W 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.



W

2 kV Portable Cable, EPR Insulation and Thermosetting Elastomer Heavy or Extra Heavy Duty Jacket

CABLE TYPE W 600 V / 2000 V - 2 Conductors

Conductor Size	Nominal Area	No. Threads Minimum	Conductor Diameter	Insulation Thickness	OD Nominal	Approximate Total Weight	Minimum Bending Radius	Ampacity
AWG-MCM	mm ²		mm	mm	mm	kg / km	mm	A
8	8.37	49	4.49	1.52	20.6	612	124	72
6	13.3	49	5.49	1.52	23.6	838	142	95
4	21.2	49	6.82	1.52	27.4	1,205	164	127
3	26.7	49	7.77	1.52	29.7	1,438	178	145
2	33.6	133	8.68	1.52	32.3	1,741	194	167
1	42.4	133	9.83	2.03	36.6	2,236	220	191
1/0	53.5	133	10.98	2.03	38.6	2,543	232	217
2/0	67.4	133	12.68	2.03	41.9	3,120	251	250
3/0	85.0	259	13.89	2.03	45.0	3,630	270	286
4/0	107	259	15.79	2.03	48.8	4,419	293	328
250	127	259	16.84	2.41	53.3	5,174	320	363
350	177	259	20.24	2.41	59.9	6,869	359	436
500	253	259	23.92	2.41	68.6	9,404	412	524

The data listed above is approximate and subject to normal manufacturing tolerances.



W

2 kV Portable Cable, EPR Insulation and Thermosetting Elastomer Heavy or Extra Heavy Duty Jacket

CABLE TYPE W 600 V / 2000 V - 3 Conductors

Conductor Size	Nominal Area	No. Threads Minimum	Conductor Diameter	Insulation Thickness	OD Nominal	Approximate Total Weight	Minimum Bending Radius	Ampacity
AWG-MCM	mm ²		mm	mm	mm	kg / km	mm	A
8	8.37	49	4.49	1.52	23.1	815	139	59
6	13.3	49	5.49	1.52	25.7	1,054	154	79
4	21.2	49	6.82	1.52	29.7	1,514	178	104
3	26.7	49	7.77	1.52	31.5	1,753	189	120
2	33.6	133	8.68	1.52	34.0	2,132	204	138
1	42.4	133	9.83	2.03	38.4	2,679	230	161
1/0	53.5	133	10.98	2.03	41.9	3,246	251	186
2/0	67.4	133	12.68	2.03	41.9	3,810	251	215
3/0	85.0	259	13.89	2.03	48.0	4,547	288	249
4/0	107	259	15.79	2.03	51.8	5,533	311	287
250	127	259	16.84	2.41	60.7	7,120	364	320
350	177	259	20.24	2.41	68.1	9,468	409	394

The data listed above is approximate and subject to normal manufacturing tolerances.



W

2 kV Portable Cable, EPR Insulation and Thermosetting Elastomer Heavy or Extra Heavy Duty Jacket

CABLE TYPE W 600 V / 2000 V - 4 Conductors

Conductor Size	Nominal Area	No. Threads Minimum	Conductor Diameter	Insulation Thickness	OD Nominal	Approximate Total Weight	Minimum Bending Radius	Ampacity
AWG-MCM	mm ²		mm	mm	mm	kg / km	mm	A
8	8.37	49	4.49	1.52	25.1	974	151	54
6	13.3	49	5.49	1.52	27.9	1,263	167	72
4	21.2	49	6.82	1.52	32.3	1,829	194	93
3	26.7	49	7.77	1.52	34.0	2,101	204	106
2	33.6	133	8.68	1.52	37.6	2,619	226	122
1	42.4	133	9.83	2.03	42.7	3,355	256	143
1/0	53.5	133	10.98	2.03	45.5	3,918	273	165
2/0	67.4	133	12.68	2.03	49.0	4,804	294	192

The data listed above is approximate and subject to normal manufacturing tolerances.