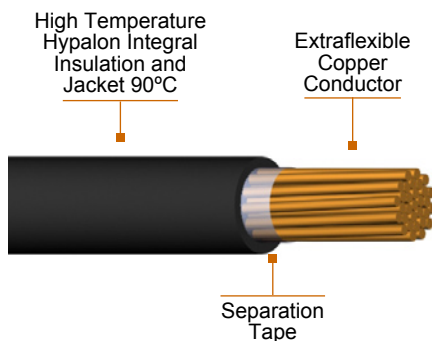


600 V, 2k V Single Conductor Portable Cable, Hypalon Integral Insulation and Jacket



Detail Description or Construction

Conductor

Extra- flexible copper conductor, according ASTM B3

Insulation and Jacket

Chlorosulfonated Polyethylene compound. Formulated for high temperature and mechanical stress heavy duty service, high tear and abrasion resistance, oil resistant and most chemical agents. Accomplish VW-1 flame retardant test The standard jacket is black and meets or exceeds all the requirements of ICEA S-19-81

Packaging

Non-returnable wooden drums

Application

For heavy duty low voltage service as power supply for mobile mining equipment, such as conveyors, drills and pumps. Also suitable for low voltage distribution as a flexible power supply cable.

Standards / Testing Specifications

- LOC-90 cable meets or exceeds the requirements of ICEA S-19-81.

Marking

LOC-90.

Installation

LOC-90 can be used in indoors and outdoors locations under very severe environmental conditions such as the one commonly present at mining places. Also places where high working temperatures are present.

Packing

Non Returnable wooden reel with 300 m standard lengths.



LOC-90

600 V, 2k V Single Conductor Portable Cable, Hypalon Integral Insulation and Jacket

CABLE TYPE LOC - 90 600V								
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	4.2	1.52	7.6	125	30	80
6	13.3	49	5.1	1.52	8.5	176	34	105
4	21.2	49	6.3	1.52	9.7	257	39	140
2	33.6	133	8.3	1.52	11.7	384	47	190
1	42.4	133	9.6	2.03	14.1	513	56	220
1/0	53.5	133	10.7	2.03	15.2	624	61	260
2/0	67.4	133	12.7	2.03	16.5	771	69	300
3/0	85.0	259	13.3	2.03	17.8	934	71	350
4/0	107	259	15.2	2.03	19.7	1,152	79	405
250	127	259	16.2	2.41	21.6	1,386	86	455
300	152	259	17.4	2.41	22.8	1,625	91	505
350	177	259	19.0	2.41	24.4	1,869	97	570
400	203	259	21.2	2.41	26.6	2,130	133	615
500	253	259	22.3	2.41	27.7	2,590	138	700

Ampacities (current carrying capacities [A]): the ampacities listed are given according NEC Table 400-5 column D. The ampere figure are calculated for 90°C conductor temperature and 30°C ambient temperature.



LOC-90

600 V, 2k V Single Conductor Portable Cable, Hypalon Integral Insulation and Jacket

CABLE TYPE LOC - 90 2000V

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	4.2	2.03	8.7	148	35	80
6	13.3	49	5.1	2.41	10.5	224	42	105
4	21.2	49	6.3	2.41	11.7	310	47	140
2	33.6	133	8.3	2.41	13.7	448	55	190
1	42.4	133	9.6	2.79	15.8	577	63	220
1/0	53.5	133	10.7	2.79	16.9	693	68	260
2/0	67.4	133	12.7	2.79	18.9	848	76	300
3/0	85.0	259	13.3	2.79	19.5	1,014	78	350
4/0	107	259	15.2	2.79	21.4	1,239	86	405
250	127	259	16.2	3.18	23.3	1,483	93	455
300	152	259	17.4	3.18	24.5	1,727	98	505
350	177	259	19.0	3.18	26.1	1,978	130	570
400	203	259	21.2	3.18	28.3	2,249	141	615
500	253	259	22.3	3.18	29.4	2,714	147	700

Ampacities (current carrying capacities [A]): the ampacities listed are given according NEC Table 400-5 column D. The ampere figure are calculated for 90°C conductor temperature and 30°C ambient temperature.