



SFOI Cable Armoured 600/1000V

Applications:	Marine applications where circuit integrity is important in the event of a fire, including ship wiring. Also suitable for applications where armour protection is needed.
Conductor:	Plain compacted Stranded Copper in accordance with IEC60228, Class 2
Insulation:	Mica & XLPE (Crossed linked polyethylene)
Sheath:	LSZH (Low smoke, zero halogen)
Armour:	Copper Wire Braid
Colour:	Black
Core Identification:	2 core: red and black 3 cores: black, light brown and blue 4 cores: black, blue, brown and white 5 core and above: white with black numerals
Operating temperature:	Maximum 90°C
Voltage:	600/1000v
Standards:	IEC60092-353: Power cables for electrical installation in ships IEC 603332: Flame retardant, IEC 60331: Fire resistant, UL1581
Approvals:	ABS, Bureau Veritas and Lloyd's Register of Shipping



One Core

Size sq.mm	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1.5	1.59	0.7	0.2	1.0	7.7	12.1	1010	90	-
2.5	2.01	0.7	0.2	1.0	8.1	7.41	850	100	-
4	2.55	0.7	0.2	1.1	8.9	4.61	700	130	-
6	3.12	0.7	0.2	1.1	9.5	3.08	600	150	-
10	4.05	0.7	0.2	1.1	10.4	1.83	480	200	-
16	4.80	0.7	0.2	1.1	11.1	1.15	410	270	-
25	6.10	0.9	0.2	1.2	13.1	0.828	420	390	-
35	7.2	0.9	0.3	1.3	14.9	0.524	360	530	-
50	8.3	1.0	0.3	1.3	16.2	0.387	350	670	-
70	10.0	1.1	0.3	1.4	18.4	0.268	320	910	-
95	11.80	1.1	0.3	1.5	20.4	0.193	280	1190	-
120	13.20	1.2	0.3	1.5	22.0	0.154	270	1460	-
150	14.80	1.4	0.3	1.6	24.0	0.124	280	1750	-
185	16.35	1.6	0.3	1.7	26.3	0.099	290	2140	-
240	18.85	1.7	0.3	1.8	29.2	0.075	270	2760	-
300	20.90	1.8	0.3	1.9	31.6	0.060	260	3390	-

Two Core

Size sq.mm	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1.5	1.59	0.7	0.2	1.2	11.8	12.1	1010	170	-
2.5	2.01	0.7	0.2	1.2	125.6	7.41	850	200	-
4	2.55	0.7	0.2	1.2	13.9	4.61	700	250	-
6	3.12	0.7	0.3	1.3	15.8	3.08	600	350	-
10	4.05	0.7	0.3	1.4	17.9	1.83	480	480	-
16	4.80	0.7	0.2	1.4	19.3	1.15	410	620	-
25	6.10	0.9	0.2	1.6	23.2	0.828	420	900	-
35	7.2	0.9	0.3	1.7	25.4	0.524	360	1150	-
50	8.3	1.0	0.3	1.8	28.2	0.387	350	1470	-
70	10.0	1.1	0.3	1.9	32.2	0.268	3520	1980	-
95	11.8	1.1	0.3	2.1	36.3	0.193	280	2610	-

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Three core

Size sq.mm	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1.5	1.59	0.7	0.2	1.2	12.4	12.1	1010	200	14240
2.5	2.01	0.7	0.2	1.2	13.3	7.41	850	240	-
4	2.55	0.7	0.3	1.3	15.3	4.61	700	350	-
6	3.12	0.7	0.3	1.3	16.6	3.08	600	430	-
10	4.05	0.7	0.3	1.4	18.9	1.83	480	600	14190
16	4.80	0.7	0.3	1.5	20.6	1.15	410	810	14254
25	6.10	0.9	0.3	1.6	24.2	0.828	420	1170	-
35	7.2	0.9	0.3	1.7	26.9	0.524	360	1510	-
50	8.3	1.0	0.3	1.8	29.9	0.387	350	1960	-
70	10.0	1.1	0.3	2.0	34.4	0.268	320	2690	-
95	11.8	1.1	0.4	2.2	39.3	0.193	280	3650	-
120	13.20	1.2	0.4	2.3	42.9	0.153	270	4520	-
150	14.80	1.4	0.4	2.5	47.7	0.124	280	5470	-
185	16.35	1.6	0.4	2.7	52.8	0.099	290	6710	-
240	18.85	1.7	0.4	2.9	59.2	0.075	270	8670	-

Four Core

Size sq.mm	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1.5	1.59	0.7	0.2	1.2	13.4	12.1	1010	230	14232
2.5	2.01	0.7	0.3	1.3	15.1	7.41	850	330	14233
4	2.55	0.7	0.3	1.3	16.5	4.61	700	420	-
6	3.12	0.7	0.3	1.4	18.3	3.08	600	530	-
10	4.05	0.7	0.3	1.5	20.7	1.83	480	740	-
16	4.80	0.7	0.3	1.6	22.6	1.15	410	1020	-
25	6.10	0.9	0.3	1.7	26.8	0.828	420	1490	-
35	7.2	0.9	0.3	1.8	29.6	0.524	360	1930	-
50	8.3	1.0	0.3	1.9	33.0	0.387	350	2510	-
70	10.0	1.1	0.4	2.1	38.5	0.268	320	3540	-
95	11.80	1.1	0.4	2.3	43.3	0.193	280	4690	-



Five Core and above

No of cores	Size sq.mm	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
5	1.5	1.59	0.7	0.2	1.3	15.2	12.1	1010	310	-
5	2.5	2.01	0.7	0.3	1.3	16.3	7.41	850	380	-
6	1.5	1.59	0.7	0.2	1.3	16.2	12.1	1010	360	-
6	2.5	2.01	0.7	0.3	1.4	17.7	7.41	850	450	-
7	1.5	1.59	0.7	0.2	1.3	16.3	12.1	1010	380	14179
7	2.5	2.01	0.7	0.3	1.4	17.7	7.41	850	470	-
8	1.5	1.59	0.7	0.3	1.4	17.6	12.1	1010	430	-
8	2.5	2.01	0.7	0.3	1.4	19.0	7.41	850	530	-
9	1.5	1.59	0.7	0.3	1.4	18.9	12.1	1010	480	-
9	2.5	2.01	0.7	0.3	1.5	20.5	7.41	850	600	-
10	1.5	1.59	0.7	0.3	1.5	20.5	12.1	1010	540	14180
10	2.5	2.01	0.7	0.3	1.5	22.1	7.41	850	670	-
12	1.5	1.59	0.7	0.3	1.5	21.1	12.1	1010	590	-
12	2.5	2.01	0.7	0.3	1.6	23.0	7.41	850	750	-
14	1.5	1.59	0.7	0.3	1.5	22.0	12.1	1010	660	-
14	2.5	2.01	0.7	0.3	1.6	23.8	7.41	850	840	-
16	1.5	1.59	0.7	0.3	1.6	23.4	12.1	1010	740	-
16	2.5	2.01	0.7	0.3	1.7	25.3	7.41	850	940	-
19	1.5	1.59	0.7	0.3	1.6	24.2	12.1	1010	820	-
19	2.5	2.01	0.7	0.3	1.7	26.5	7.41	850	1060	-
20	1.5	1.59	0.7	0.3	1.7	25.1	12.1	1010	870	-
20	2.5	2.01	0.7	0.3	1.7	27.2	7.41	850	1110	-
24	1.5	1.59	0.7	0.3	1.8	28.4	12.1	1010	1060	-
24	2.5	2.01	0.7	0.3	1.9	31.0	7.41	850	1370	-
27	1.5	1.59	0.7	0.3	1.8	29.0	12.1	1010	1130	-
27	2.5	2.01	0.7	0.3	1.9	31.6	7.41	850	1470	-
30	1.5	1.59	0.7	0.3	1.8	29.9	12.1	1010	1220	-
30	2.5	2.01	0.7	0.3	1.9	32.7	7.41	850	1590	-
33	1.5	1.59	0.7	0.3	1.9	31.2	12.1	1010	1330	-
33	2.5	2.01	0.7	0.3	2.0	34.1	7.41	850	1730	-
37	1.5	1.59	0.7	0.3	1.9	32.3	12.1	1010	1440	-
37	2.5	2.01	0.7	0.3	2.0	35.4	7.41	850	1890	-