

SFOI

Plain annealed copper conductors/Fire Resisting Tape(mica glass)/ XLPE insulated/ lapped inner covering/Copper Wire Braid/ LSZH 600/1000 Volts grade Standard sheath colour : Black, ZHAL, LSZH IEC60331, IEC60092-353

ONE CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	DIAM 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	0.153	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	DIAM 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	14176
2.5	2.01	0.7	0.2	1.2	12.6	7.41	850	200	14221
4	2.55	0.7	0.2	1.2	13.9	4.61	700	250	14177
6	3.12	0.7	0.3	1.3	15.8	3.08	600	350	14178
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	320	1980	-
95	11.80	1.1	0.3	2.1	36.3	0.193	280	2610	-

Max rated conductor temperature: 90 degrees centigrade

Core colours: 2 core: red & black

IEC60092-353: electrical installation in ships, power cables,

IEC60332: flame retardant

IEC60331: fire resistant

Type Approvals: ABS Bureau Veritas and Lloyd's Register of Shipping



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SFOI (cont)

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THREE CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	DIAM 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	11.80	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	DIAM 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	-

Max rated conductor temperature: 90 degrees centigrade

Core colours: 2 core: red & black
3 core: black, brown, light blue
4 core: red, yellow, blue black

IEC60092-353: electrical installation in ships, power cables,
IEC60332: flame retardant
IEC60331: fire resistant

Type Approvals: ABS, Bureau Veritas and Lloyd's Register of Shipping



SFOI (cont)

Plain annealed copper conductors/Fire Resisting Tape(mica glass)/ XLPE insulated/ lapped inner covering/Copper Wire Braid/ LSZH 600/1000 Volts grade Standard sheath colour : Black, ZHAL, LSZH IEC60331, IEC60092-353

NO OF CORES	SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	DIAM 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	

Max rated conductor temperature: 90 degrees centigrade

Core colours: 2 core: red & black
3 core: black, brown, light blue
4 core: red, yellow, blue black
5 core & above : white with black numerals

IEC60092-353: electrical installation in ships, power cables,
IEC60332: flame retardant
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