

## SXXI

Plain annealed copper conductors/Fire resisting tape (MGT)/ XLPE insulated/ LSZH 600/1000 Volts grade  
Standard sheath colour : Black, LSZH, IEC60331, IEC60092-353

## ONE CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS 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	1.0	6.0	12.1	1010	50	-
2.5	2.01	0.7	1.0	6.4	7.41	850	60	-
4	2.55	0.7	1.0	7.0	4.61	700	80	-
6	3.12	0.7	1.0	7.7	3.08	600	110	-
10	4.05	0.7	1.0	8.6	1.83	480	150	-
16	4.80	0.7	1.1	9.5	1.15	410	220	-
25	6.10	0.9	1.1	11.2	0.828	420	320	-
35	7.2	0.9	1.2	12.5	0.524	360	420	-
50	8.3	1.0	1.2	13.9	0.387	350	550	-
70	10.0	1.1	1.3	16.0	0.268	320	770	-
95	11.80	1.1	1.4	18.1	0.193	280	1030	-
120	13.20	1.2	1.5	19.9	0.153	270	1300	-
150	14.80	1.4	1.5	21.9	0.124	280	1570	-
185	16.35	1.6	1.6	23.9	0.099	290	1940	-
240	18.85	1.7	1.7	26.9	0.075	270	2530	-
300	20.90	1.8	1.8	29.3	0.060	260	3140	-

## TWO CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS 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	1.1	10.2	12.1	1010	110	14173
2.5	2.01	0.7	1.1	11.0	7.41	850	140	-
4	2.55	0.7	1.2	12.4	4.61	700	190	-
6	3.12	0.7	1.2	13.7	3.08	600	240	-
10	4.05	0.7	1.3	15.7	1.83	480	340	-
16	4.80	0.7	1.4	17.3	1.15	410	490	-
25	6.10	0.9	1.5	21.0	0.828	420	720	-
35	7.2	0.9	1.6	23.5	0.524	360	950	-
50	8.3	1.0	1.7	26.1	0.387	350	1250	-
70	10.0	1.1	1.8	30.1	0.268	320	1730	-
95	11.80	1.1	2.0	34.1	0.193	280	2320	-

Max rated conductor temperature: 90 degrees centigrade

Core colours: 2 core - red, black  
3 core - red, yellow, blue  
4 core - red, yellow, blue, black  
5 core & above - white with black numbers

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

Type Approvals: ABS, Bureau Veritas & Lloyd's Register



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## SXXI (continued)

Plain annealed copper conductors/Fire resisting tape (MGT)/ XLPE insulated/ LSZH 600/1000 Volts grade  
Standard sheath colour : Black, LSZH, IEC60331, IEC60092-353

### THREE CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	SHEATH THICKNESS MM	NOMINAL OVERALL DIAMETER MM	CONDUCTOR RESISTANCE		WEIGHT KG/KM	BATT PART NO
					OHMS/KM	OHMS/KM		
1.5	1.59	0.7	1.1	10.8	12.1	1010	140	14174
2.5	2.01	0.7	1.2	11.8	7.41	850	180	-
4	2.55	0.7	1.2	13.2	4.61	700	240	-
6	3.12	0.7	1.3	14.7	3.08	600	310	-
10	4.05	0.7	1.3	16.7	1.83	480	450	-
16	4.80	0.7	1.4	18.5	1.15	410	650	-
25	6.10	0.9	1.5	22.3	0.828	420	980	-
35	7.2	0.9	1.6	24.7	0.524	360	1300	-
50	8.3	1.0	1.8	28.0	0.387	350	1730	-
70	10.0	1.1	1.9	32.3	0.268	320	2420	-
95	11.80	1.1	2.1	36.7	0.193	280	3250	14187
120	13.20	1.2	2.2	40.3	0.153	270	4080	-
150	14.80	1.4	2.4	45.0	0.124	280	4970	-
185	16.35	1.6	2.6	49.8	0.099	290	6160	-
240	18.85	1.7	2.8	56.2	0.075	270	8050	-

### FOUR CORE

SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	SHEATH THICKNESS MM	NOMINAL OVERALL DIAMETER MM	CONDUCTOR RESISTANCE		WEIGHT KG/KM	BATT PART NO
					OHMS/KM	OHMS/KM		
1.5	1.59	0.7	1.2	11.9	12.1	1010	170	-
2.5	2.01	0.7	1.2	13.0	7.41	850	220	-
4	2.55	0.7	1.3	14.6	4.61	700	300	-
6	3.12	0.7	1.3	16.1	3.08	600	390	-
10	4.05	0.7	1.4	18.6	1.83	480	590	-
16	4.80	0.7	1.5	20.5	1.15	410	850	-
25	6.10	0.9	1.6	24.6	0.828	420	1280	-
35	7.2	0.9	1.7	27.5	0.524	360	1700	-
50	8.3	1.0	1.9	31.1	0.387	350	2260	-
70	10.0	1.1	2.1	36.1	0.268	320	3160	-
95	11.80	1.1	2.2	40.7	0.193	280	4240	-

Max rated conductor temperature: 90 degrees centigrade

Core colours:  
2 core - red, black  
3 core - red, yellow, blue  
4 core - red, yellow, blue, black  
5 core & above - white with black numbers

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

Type Approvals: ABS, Bureau Veritas & Lloyd's Register



## SXXI (continued)

Plain annealed copper conductors/Fire resisting tape (MGT)/ XLPE insulated/ LSZH 600/1000 Volts grade  
Standard sheath colour : Black, LSZH, IEC60331, IEC60092-353

NO OF CORES	SIZE SQ.MM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	SHEATH THICKNESS MM	NOMINAL OVERALL DIAMETER MM	CONDUCTOR RESISTANCE	INSULATION RESISTANCE	WEIGHT KG/KM	BATT PART NO
						OHMS/KM	OHMS/KM		
5	1.5	1.59	0.7	1.2	13.1	12.1	1010	200	14175
5	2.5	2.01	0.7	1.3	14.4	7.41	850	270	
6	1.5	1.59	0.7	1.3	14.4	12.1	1010	240	
6	2.5	2.01	0.7	1.3	15.6	7.41	850	320	
7	1.5	1.59	0.7	1.3	14.4	12.1	1010	260	
7	2.5	2.01	0.7	1.3	15.6	7.41	850	340	
8	1.5	1.59	0.7	1.3	15.5	12.1	1010	300	
8	2.5	2.01	0.7	1.3	16.8	7.41	850	390	
9	1.5	1.59	0.7	1.3	16.7	12.1	1010	340	
9	2.5	2.01	0.7	1.4	18.4	7.41	850	450	
10	1.5	1.59	0.7	1.4	18.4	12.1	1010	390	
10	2.5	2.01	0.7	1.5	20.2	7.41	850	510	
12	1.5	1.59	0.7	1.4	19.0	12.1	1010	440	
12	2.5	2.01	0.7	1.5	20.8	7.41	850	580	
14	1.5	1.59	0.7	1.5	20.1	12.1	1010	500	
14	2.5	2.01	0.7	1.5	21.9	7.41	850	660	
16	1.5	1.59	0.7	1.5	21.2	12.1	1010	560	
16	2.5	2.01	0.7	1.6	23.4	7.41	850	750	
19	1.5	1.59	0.7	1.5	22.3	12.1	1010	640	
19	2.5	2.01	0.7	1.6	24.3	7.41	850	860	
20	1.5	1.59	0.7	1.6	23.3	12.1	1010	680	
20	2.5	2.01	0.7	1.7	25.3	7.41	850	910	
24	1.5	1.59	0.7	1.7	26.3	12.1	1010	840	
24	2.5	2.01	0.7	1.8	28.9	7.41	850	1120	
27	1.5	1.59	0.7	1.7	26.9	12.1	1010	910	
27	2.5	2.01	0.7	1.8	29.5	7.41	850	1220	
30	1.5	1.59	0.7	1.8	28.0	12.1	1010	1000	
30	2.5	2.01	0.7	1.9	30.8	7.41	850	1350	
37	1.5	1.59	0.7	1.8	30.2	12.1	1010	1190	
37	2.5	2.01	0.7	2.0	33.4	7.41	850	1620	

Max rated conductor temperature: 90 degrees centigrade

Core colours: 2 core - red, black  
3 core - red, yellow, blue  
4 core - red, yellow, blue, black  
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