

TXXI

Plain annealed copper conductors/ XLPE insulated/ LSZH 600/1000 Volts grade

Standard sheath colour : Black, LSZH, IEC60092-353, IEC60332

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	5.4	12.1	1010	40	-
2.5	2.01	0.7	1.0	5.8	7.41	850	60	-
4	2.55	0.7	1.0	6.4	4.61	700	70	-
6	3.12	0.7	1.0	6.9	3.08	600	100	-
10	4.05	0.7	1.0	8.0	1.83	480	140	-
16	4.80	0.7	1.1	8.9	1.15	410	200	-
25	6.10	0.9	1.1	10.6	0.828	420	300	-
35	7.2	0.9	1.2	11.9	0.524	360	410	-
50	8.3	1.0	1.2	13.3	0.387	350	530	-
70	10.0	1.1	1.3	15.4	0.268	320	750	-
95	11.80	1.1	1.4	17.4	0.193	280	1010	-
120	13.20	1.2	1.4	19.1	0.153	270	1260	-
150	14.80	1.4	1.5	21.3	0.124	280	1540	-
185	16.35	1.6	1.6	23.6	0.099	290	1900	-
240	18.85	1.7	1.7	26.3	0.075	270	2490	-
300	20.90	1.8	1.8	28.7	0.060	260	3100	-

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	9.0	12.1	1010	90	14197
2.5	2.01	0.7	1.1	9.8	7.41	850	120	14198
4	2.55	0.7	1.1	11.0	4.61	700	160	-
6	3.12	0.7	1.2	12.2	3.08	600	210	-
10	4.05	0.7	1.3	14.5	1.83	480	320	-
16	4.80	0.7	1.3	15.9	1.15	410	450	-
25	6.10	0.9	1.4	19.6	0.828	420	680	-
35	7.2	0.9	1.5	22.0	0.524	360	900	-
50	8.3	1.0	1.6	24.6	0.387	350	1190	-
70	10.0	1.1	1.8	28.9	0.268	320	1680	-
95	11.80	1.1	1.9	32.7	0.193	280	2240	-

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,
 IEC60332: flame retardant

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



TXXI (continued)

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Standard sheath colour : Black, LSZH, IEC60092-353, IEC60332

THREE 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	9.5	12.1	1010	110	14199
2.5	2.01	0.7	1.1	10.3	7.41	850	150	14200
4	2.55	0.7	1.2	11.8	4.61	700	210	14201
6	3.12	0.7	1.2	13.0	3.08	600	280	-
10	4.05	0.7	1.3	15.4	1.83	480	420	-
16	4.80	0.7	1.4	17.1	1.15	410	620	-
25	6.10	0.9	1.5	21.0	0.828	420	940	-
35	7.2	0.9	1.6	23.7	0.524	360	1250	-
50	8.3	1.0	1.7	26.5	0.387	350	1660	-
70	10.0	1.1	1.9	31.0	0.268	320	2340	-
95	11.80	1.1	2.0	35.1	0.193	280	3150	-
120	13.20	1.2	2.2	39.0	0.153	270	3990	-
150	14.80	1.4	2.3	43.5	0.124	280	4860	-
185	16.35	1.6	2.5	48.3	0.099	290	6030	-
240	18.85	1.7	2.7	54.6	0.075	270	7900	-

FOUR 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	10.3	12.1	1010	140	14202
2.5	2.01	0.7	1.1	11.2	7.41	850	180	14203
4	2.55	0.7	1.2	13.0	4.61	700	260	14204
6	3.12	0.7	1.3	14.4	3.08	600	350	-
10	4.05	0.7	1.3	16.8	1.83	480	530	-
16	4.80	0.7	1.4	18.8	1.15	410	790	-
25	6.10	0.9	1.6	23.4	0.828	420	1220	-
35	7.2	0.9	1.7	26.1	0.524	360	1630	-
50	8.3	1.0	1.8	29.4	0.387	350	2170	-
70	10.0	1.1	2.0	34.4	0.268	320	3060	-
95	11.80	1.1	2.2	39.2	0.193	280	4140	-

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

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 IEC60332: flame retardant

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

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TXXI (continued)

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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	1.1	11.2	12.1	1010	170	14247
5	2.5	2.01	0.7	1.2	12.5	7.41	850	230	
6	1.5	1.59	0.7	1.2	12.3	12.1	1010	200	
6	2.5	2.01	0.7	1.2	13.6	7.41	850	260	
7	1.5	1.59	0.7	1.2	12.3	12.1	1010	210	
7	2.5	2.01	0.7	1.2	13.6	7.41	850	290	
8	1.5	1.59	0.7	1.2	13.3	12.1	1010	240	
8	2.5	2.01	0.7	1.3	14.9	7.41	850	340	
9	1.5	1.59	0.7	1.3	14.5	12.1	1010	280	
9	2.5	2.01	0.7	1.3	15.9	7.41	850	380	
10	1.5	1.59	0.7	1.3	15.7	12.1	1010	310	
10	2.5	2.01	0.7	1.4	17.5	7.41	850	430	
12	1.5	1.59	0.7	1.3	16.2	12.1	1010	350	
12	2.5	2.01	0.7	1.4	18.1	7.41	850	490	
14	1.5	1.59	0.7	1.4	17.2	12.1	1010	410	
14	2.5	2.01	0.7	1.4	19.0	7.41	850	550	
16	1.5	1.59	0.7	1.4	18.2	12.1	1010	450	
16	2.5	2.01	0.7	1.5	20.3	7.41	850	630	
19	1.5	1.59	0.7	1.4	19.1	12.1	1010	520	
19	2.5	2.01	0.7	1.5	21.3	7.41	850	730	
20	1.5	1.59	0.7	1.5	19.9	12.1	1010	550	
20	2.5	2.01	0.7	1.5	21.9	7.41	850	760	
24	1.5	1.59	0.7	1.6	22.6	12.1	1010	680	
24	2.5	2.01	0.7	1.6	24.8	7.41	850	940	
27	1.5	1.59	0.7	1.6	23.2	12.1	1010	740	
27	2.5	2.01	0.7	1.7	25.6	7.41	850	1030	
30	1.5	1.59	0.7	1.6	23.7	12.1	1010	800	
30	2.5	2.01	0.7	1.7	26.5	7.41	850	1130	
37	1.5	1.59	0.7	1.7	25.8	12.1	1010	970	
37	2.5	2.01	0.7	1.8	28.8	7.41	850	1370	

Max rated conductor temperature: 90 degrees centigrade

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