



## TXXI Cable Unarmoured 600/1000V

<b>Applications:</b>	Marine applications including ship wiring
<b>Conductor:</b>	Plain compacted Stranded Copper in accordance with IEC60228, Class 2
<b>Insulation:</b>	XLPE (Crossed linked polyethylene)
<b>Core Identification:</b>	2 core: red, black 3 core: red, yellow, blue 4 core: red, yellow, blue & black 5 cores and above white with black numerals
<b>Bedding:</b>	
<b>Sheath/Jacket:</b>	LSZH (Low smoke, zero halogen)
<b>Colour:</b>	Black
<b>Operating Temperature:</b>	Maximum 90°C
<b>Voltage:</b>	600/1000v
<b>Standards:</b>	IEC60092-353: power cables for electrical installation in ships UL1581
<b>Approvals:</b>	ABS, Bureau Veritas and Lloyd's Register

### One Core

Size sq.mm	Conductor dia 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	3500	-
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 dia 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	-

#### Three Core

Size sq.mm	Conductor dia 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	45.5	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 dia 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	1.4	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	4110	-

[www.batt.co.uk](http://www.batt.co.uk)

battindustrial.sales@batt.co.uk

# Five Core and above

No of cores	Size sq.mm	Conductor dia 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
5	1.5	1.59	0.7	1.1	11.2	12.1	1010	170	-
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	14247
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	-