

XAI Cable Armoured 600/1000V

Applications:	XAI armoured power and control marine cable suitable as shipwiring and shipboard cable to IEC60092-353
Conductor:	Plain flexible compacted copper IEC60228 Class 2 conductors
Insulation:	XL100 (XLPE based compound)
Core Identification:	1 Core – Black 2 Core – Black and Light Blue 3 Core – Black, Brown and Light Blue 4 Core – Black, Blue, Brown and White 5 Core and Above – White and numbered
Bedding:	Halogen free FLAMEBAR®
Armour:	Plain copper wire braid
Sheath/Jacket:	Halogen free SHF1 compound
Colour:	Black
Operating Temperature:	100°C
Voltage:	Nominal Voltage U ₀ /U: 0.6 / 1kV
Standards:	Design and Construction: IEC60092-353 Flame retardancy: IEC60332-1, IEC60332-3-22 (catA) Corrosivity: IEC60754-1, IEC60754-2 Smoke density: IEC61034-2 Toxicity and smoke density: IMO Resolution MSC 41(64) and ATS 1000.001 tech spec Cold bend and impact test (-40°C): CSA C22.2 No 38-95
Approvals:	ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping

One Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (A)	BATT Part No. Black	BATT Part No. Red
1 x 1.5	1.6	0.7	3.1	1	5.9	64	24	28	-	-
1 x 2.5	2	0.7	3.5	1	6.4	78	26	35	-	-
1 x 4	2.7	0.7	4.2	1	7.0	101	28	47	-	-
1 x 6	3.2	0.7	4.7	1	7.6	127	30	58	-	-
1 x 10	3.9	0.7	5.6	1.1	8.6	192	34	70	-	-
1 x 16	5.1	0.7	6.8	1.1	9.8	264	39	93	14103	-
1 x 25	6.7	0.9	8.8	1.2	12.0	388	48	117	14123	-
1 x 35	7.4	0.9	9.8	1.2	13.1	505	52	147	14142	-
1 x 50	8.8	1.0	11.1	1.3	15.1	711	60	180	14141	-
1 x 70	10	1.1	13.4	1.4	17.6	955	70	232	14102	14167
1 x 95	12.8	1.1	15.4	1.5	19.7	1239	79	285	14101	14234
1 x 120	14	1.2	17.3	1.6	21.8	1528	87	333	14299	-
1 x 150	15.3	1.4	19.3	1.6	23.8	1859	95	386	14100	-
1 x 185	16.7	1.6	20.2	1.7	24.9	2227	100	444	14099	-
1 x 240	19.8	1.7	24.2	1.8	29.2	2857	117	528	14131	-
1 x 300	22.4	1.8	26.6	1.9	31.7	3494	127	612	14153	-

Two Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (A)	BATT Part No. Black	BATT Part No. Red
2 x 1.5	1.6	0.7	6.1	1.1	9.1	136	36	23	14011	-
2 x 2.5	2	0.7	6.9	1.1	10.0	171	40	31	14012	-
2 x 4	2.7	0.7	8.2	1.2	11.5	229	46	43	14013	-
2 x 6	3.2	0.7	9.3	1.2	12.6	291	50	55	14041	-
2 x 10	3.9	0.7	12.0	1.3	15.9	478	64	75	14042	-
2 x 16	5.1	0.7	14.6	1.4	18.7	685	75	100	14043	-
2 x 25	6.7	0.9	18.9	1.6	23.5	1028	94	130	-	-
2 x 35	7.4	0.9	20.6	1.7	25.3	1272	101	161	-	-
2 x 50	8.8	1.0	23.5	1.8	28.4	1671	114	196	-	-
2 x 70	10	1.1	28.4	2.0	33.8	2259	135	236	-	-
2 x 95	12.8	1.1	32.5	2.2	38.7	3109	155	287	-	-

Three Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (A)	BATT Part No. Black	BATT Part No. Red
3 x 1.5	1.6	0.7	6.6	1.1	9.6	157	38	20	14014	-
3 x 2.5	2	0.7	7.5	1.1	10.5	202	42	28	14015	-
3 x 4	2.7	0.7	8.9	1.2	12.1	275	48	37	14016	-
3 x 6	3.2	0.7	10.1	1.2	13.3	356	53	47	14017	-
3 x 10	3.9	0.7	12.0	1.3	15.9	567	64	65	14018	-
3 x 16	5.1	0.7	14.6	1.4	18.7	801	75	87	14019	-
3 x 25	6.7	0.9	18.9	1.6	23.5	1218	94	110	14020	14137
3 x 35	7.4	0.9	20.6	1.7	25.3	1546	101	137	14079	14292
3 x 50	8.8	1.0	23.5	1.8	28.4	2088	114	167	14066	14138
3 x 70	10	1.1	28.4	2	33.8	2868	135	214	14058	14139
3 x 95	12.8	1.1	32.5	2.2	38.7	3831	155	259	14080	14076
3 x 120	14	1.2	36.7	2.3	43.0	4754	172	301	14094	14298
3 x 150	15.3	1.4	41.0	2.5	47.7	5841	191	347	-	-
3 x 185	16.7	1.6	42.9	2.6	49.9	6932	199	397	-	-
3 x 240	19.8	1.7	51.7	2.9	59.2	9094	237	468	-	-
3 x 300	22.4	1.8	56.7	3.1	64.7	11039	259	551	-	-

Four Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (A)	BATT Part No.
4 x 1.5	1.6	0.7	7.3	1.1	10.4	186	42	20	14021
4 x 2.5	2	0.7	8.3	1.2	11.6	246	46	28	14022
4 x 4	2.7	0.7	9.9	1.2	13.1	334	52	37	14023
4 x 6	3.2	0.7	11.2	1.3	15.1	486	60	47	14024
4 x 10	3.9	0.7	13.3	1.4	17.4	683	70	65	14044
4 x 16	5.1	0.7	16.2	1.5	20.6	983	82	87	14045
4 x 25	6.7	0.9	21.1	1.7	25.8	1477	103	110	14046
4 x 35	7.4	0.9	22.9	1.8	27.8	1973	111	137	14293
4 x 50	8.8	1.0	26.1	1.9	31.3	2661	125	167	14104
4 x 70	10	1.1	31.7	2.1	37.6	3687	150	214	-
4 x 95	12.8	1.1	36.2	2.3	42.6	4852	170	259	-
4 x 120	14	1.2	40.8	2.5	47.6	6084	190	301	-
4 x 150	15.3	1.4	45.6	2.7	52.8	7463	211	347	-
4 x 185	16.7	1.6	47.8	2.8	55.2	8932	221	397	-
4 x 240	19.8	1.7	57.6	3.2	65.7	11667	263	468	-

Five Core and Above

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (A)	BATT Part No.
5 x 1.5	1.6	0.7	8.2	1.2	11.4	222	46	12	14025
7 x 1.5	1.6	0.7	9.1	1.2	12.3	265	49	11	14026
10 x 1.5	1.6	0.7	13.3	1.3	16.0	407	64	10	14062
12 x 1.5	1.6	0.7	12.6	1.3	16.7	462	67	9	14027
14 x 1.5	1.6	0.7	13.4	1.4	16.7	508	67	9	14195
16 x 1.5	1.6	0.7	14.2	1.4	18.4	572	74	8	14084
19 x 1.5	1.6	0.7	15.2	1.5	19.5	652	78	8	14047
24 x 1.5	1.6	0.7	18.2	1.6	22.7	812	91	7	14056
27 x 1.5	1.6	0.7	18.6	1.6	23.1	873	92	7	-
30 x 1.5	1.6	0.7	19.3	1.6	23.8	943	95	6	-
37 x 1.5	1.6	0.7	21.1	1.7	25.8	1121	103	6	14057
5 x 2.5	2.0	0.7	10.7	1.3	15	355	60	17	-
7 x 2.5	2.0	0.7	11.8	1.3	16	424	64	15	-
12 x 2.5	2.0	0.7	16.4	1.5	21	671	84	13	-
19 x 2.5	2.0	0.7	18.5	1.6	23	856	92	11	14145
27 x 2.5	2.0	0.7	24.2	1.8	29	1311	116	9	-
37 x 2.5	2.0	0.7	27.5	2.0	33	1713	132	9	-