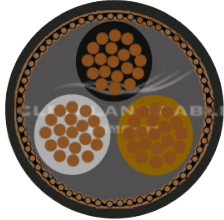


XAI POWER CABLE



APPLICATION

Used as fixed installation cables in various electromechanical and electronic equipments of marine vehicles, in most areas & open deck in ships.

Due to its' overall screen the electromagnetic interference is minimized.

CABLE STANDARDS

IEC 60092 / 353
IEC 60092 / 350-360
IEC 60332 / 1-2,
IEC 60332 / 3-22 CAT A
IEC 60754 / 1-2
IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
IEC 60811 / 403
IEC 60228

CONSTRUCTION

Conductor: Electrolytic, stranded, annealed copper wire Class 5. (Class 2 and / or tinned on request)

Insulation: Cross linked polyethylene (XLPE).

Inner covering: Separating foil.

Screen: Electrolytic copper braided screen (90% coverage). (Tinned copper wire braid on request)

Outer Sheath: Halogen-free, flame retardant, polyolefin based compound (SHF1)

NOFI: With separating foil

Sheath Colour: **Black** or **Grey**

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Limits:

Static: -40°C to +90°C

Minimum Bending Radius: 6 x Overall Diameter

CORE IDENTIFICATION

Single Core: **Black**

2 Core: **Brown Blue**

3 Core: **Brown Black Grey**

4 Core: **Brown Black Grey Blue**

5 Core: **Brown Black Grey Blue Black**

Should not be installed at temperatures below -5°C

XAI POWER CABLE- DIMENSIONS & PROPERTIES

CCCL CODE	CROSS SECTION (MM ²)	NUMBER OF CORES	OVERALL DIAMETER (MM)	APPROXIMATE WEIGHT (KG / KM)	MIN. BENDING RADIUS FIXED INSTALLED (MM)	MAX RESISTANCE OF CONDUCTORS AT 200C (OHM / KM)	CURRENT CARRYING CAPACITY AT 450C (A)
XAI1X1	1	1	5.6	56	34	19.5	16
XAI2X1	1	2	8.5	95	51	19.5	14
XAI3X1	1	3	8.9	110	54	19.5	12
XAI4X1	1	4	9.7	135	68	19.5	12
XAI5X1	1	5	10.5	156	63	19.5	10
XAI1X1/5	1.5	1	5.8	60	35	13.3	21
XAI2X1/5	1.5	2	8.9	107	54	13.3	18
XAI3X1/5	1.5	3	9.4	130	68	13.3	15
XAI4X1/5	1.5	4	10.2	160	73	13.3	15
XAI5X1/5	1.5	5	11.2	188	67	13.3	13
XAI7X1/5	1.5	7	12	230	72	13.3	11
XAI10X1/5	1.5	10	15.5	355	93	13.3	10
XAI12X1/5	1.5	12	16	390	96	13.3	10
XAI14X1/5	1.5	14	17	445	102	13.3	9
XAI16X1/5	1.5	14	17.9	491	107	13.3	9
XAI19X1/5	1.5	19	18.6	548	112	13.3	8
XAI20X1/5	1.5	20	19.8	600	119	13.3	8
XAI24X1/5	1.5	24	21.7	690	130	13.3	8
XAI30X1/5	1.5	30	23.2	817	139	13.3	7
XAI1X2/5	2.5	1	6.3	71	38	7.98	29
XAI2X2/5	2.5	2	9.8	134	59	7.98	25
XAI3X2/5	2.5	3	10.3	165	74	7.98	21
XAI4X2/5	2.5	4	11.5	210	80	7.98	21
XAI5X2/5	2.5	5	12.5	248	75	7.98	17
XAI7X2/5	2.5	7	14	342	84	7.98	16
XAI10X2/5	2.5	10	17.5	480	105	7.98	14
XAI14X2/5	2.5	14	19.4	613	116	7.98	12
XAI20X2/5	2.5	20	22.6	839	136	7.98	11

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XAI POWER CABLE- DIMENSIONS & PROPERTIES

CCCL CODE	CROSS SECTION (MM ²)	NUMBER OF CORES	OVERALL DIAMETER (MM)	APPROXIMATE WEIGHT (KG / KM)	MIN. BENDING RADIUS FIXED INSTALLED (MM)	MAX RESISTANCE OF CONDUCTORS AT 200C (OHM / KM)	CURRENT CARRYING CAPACITY AT 450C (A)
XAI1X4	4	1	6.8	90	41	4.95	39
XAI2X4	4	2	10.8	174	65	4.95	35
XAI3X4	4	3	11.6	224	85	4.95	28
XAI4X4	4	4	12.7	275	92	4.95	28
XAI5X4	4	5	14.4	368	87	4.95	23
XAI1X6	6	1	7.3	111	44	3.3	50
XAI2X6	6	2	12.1	224	73	3.3	43
XAI3X6	6	3	12.8	290	91	3.3	35
XAI4X6	6	4	14.6	395	100	3.3	35
XAI5X6	6	5	15.9	478	96	3.3	29
XAI1X10	10	1	8.6	165	52	1.91	71
XAI2X10	10	2	14.9	381	90	1.91	60
XAI3X10	10	3	15.7	470	104	1.91	50
XAI4X10	10	4	17.5	605	113	1.91	50
XAI5X10	10	5	19.3	736	116	1.91	42
XAI1X16	16	1	9.6	225	58	1.21	93
XAI2X16	16	2	17.1	525	103	1.21	79
XAI3X16	16	3	18.1	690	118	1.21	66
XAI4X16	16	4	20.1	850	129	1.21	66
XAI5X16	16	5	22.2	1045	133	1.21	54
XAI1X25	25	1	11.9	335	72	0.78	122
XAI1X35	35	1	12.8	431	77	0.554	152
XAI1X50	50	1	15.1	614	91	0.386	195
XAI1X70	70	1	17.4	851	105	0.272	240
XAI1X95	95	1	19	1062	114	0.206	286
XAI1X120	120	1	21.1	1332	127	0.161	332
XAI1X150	150	1	23.1	1631	139	0.129	382
XAI1X185	185	1	25.6	1963	154	0.106	432
XAI1X240	240	1	28.9	2586	173	0.0801	508
XAI1X300	300	1	31.7	3152	191	0.0641	590

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