

## XAI INSTRUMENTATION CABLE



### APPLICATION

Used as control and signal 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.

### CONSTRUCTION

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

**Insulation:** Cross linked polyethylene (XLPE). Each pair formed by white cores with black numbers

**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)

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

### CABLE STANDARDS

IEC 60092 / 376

IEC 60092 / 350-360

IEC 60332 / 1, IEC 60332 / 3-22 CAT A

IEC 60754 / 1-2

IEC 61034 / 1-2 (DIN EN 50268 / 1-2)

IEC 60811 / 403

IEC 60228

### CHARACTERISTICS

**Voltage Rating:** 150/250 Volts

**Temperature Limits:**

Static: -40°C to +90°C

**Minimum Bending Radius:** 6 X Overall Diameter

### CORE IDENTIFICATION

**PAIRS AND QUADS:** *White* with **Black** numbers

Should not be installed at temperatures below -5°C

## XAI INSTRUMENTATION CABLE - DIMENSIONS AND PROPERTIES

CCCL CODE	CROSS SECTION (MM <sup>2</sup> )	NUMBER OF PAIRS	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)
XAI1X2X0/5	0.5	1	6.3	58	38	40.4	11
XAI1X4X0/5	0.5	1 X Quad	7	71	42	40.4	9
XAI2X2X0/5	0.5	2	8.7	98	53	40.4	9
XAI4X2X0/5	0.5	4	9.2	134	56	40.4	6
XAI5X2X0/5	0.5	5	10.7	155	65	40.4	6
XAI7X2X0/5	0.5	7	11.7	194	71	40.4	5
XAI8X2X0/5	0.5	8	12.6	217	76	40.4	5
XAI10X2X0/5	0.5	10	15.1	300	91	40.4	5
XAI12X2X0/5	0.5	12	15.5	330	93	40.4	5
XAI14X2X0/5	0.5	14	16.2	372	98	40.4	4
XAI16X2X0/5	0.5	16	17.3	420	104	40.4	4
XAI18X2X0/5	0.5	18	18.1	456	109	40.4	4
XAI19X2X0/5	0.5	19	18.1	468	109	40.4	4
XAI20X2X0/5	0.5	20	19	490	114	40.4	4
XAI24X2X0/5	0.5	24	19.4	560	117	40.4	4
XAI37X2X0/5	0.5	37	24.1	810	145	40.4	3
XAI1X2X0/75	0.75	1	7.1	75	43	26	13
XAI1X4X0/75	0.75	1 X Quad	8	102	48	26	11
XAI2X2X0/75	0.75	2	10	124	60	26	11
XAI4X2X0/75	0.75	4	11.7	183	71	26	8
XAI5X2X0/75	0.75	5	12.7	213	77	26	7
XAI6X2X0/75	0.75	6	14.3	280	86	26	7
XAI7X2X0/75	0.75	7	14.3	300	86	26	7
XAI8X2X0/75	0.75	8	15.3	332	92	26	6
XAI10X2X0/75	0.75	10	17.9	414	108	26	6
XAI12X2X0/75	0.75	12	18.5	460	111	26	6
XAI14X2X0/75	0.75	14	19.5	520	117	26	0.5
XAI16X2X0/75	0.75	16	20.6	574	124	26	5
XAI18X2X0/75	0.75	18	21.6	628	130	26	5
XAI19X2X0/75	0.75	19	21.6	648	130	26	5
XAI20X2X0/75	0.75	20	22.8	695	137	26	5
XAI24X2X0/75	0.75	24	25.4	820	153	26	5
XAI37X2X0/75	0.75	37	29.1	1138	175	26	4

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XAI1X2X1	1	1	7.4	80	45	19.2	16
XAI1X4X1	1	1 X Quad	8.6	118	52	19.2	13
XAI2X2X1	1	2	10.5	138	63	19.2	13
XAI4X2X1	1	4	12.3	208	74	19.2	9
XAI5X2X1	1	5	14	280	84	19.2	9
XAI6X2X1	1	6	15	318	90	19.2	8
XAI7X2X1	1	7	15	342	90	19.2	8
XAI8X2X1	1	8	16.2	380	98	19.2	8
XAI10X2X1	1	10	18.9	474	114	19.2	7
XAI12X2X1	1	12	19.7	540	119	19.2	7
XAI14X2X1	1	14	20.6	600	124	19.2	6
XAI16X2X1	1	16	21.7	665	131	19.2	6
XAI18X2X1	1	18	23	740	138	19.2	6
XAI19X2X1	1	19	23	765	138	19.2	6
XAI20X2X1	1	20	24.1	805	145	19.2	6
XAI24X2X1	1	24	24.7	918	149	19.2	6
XAI37X2X1	1	37	31	1348	186	19.2	5
XAI1X2X1/5	1.5	1	8.7	108	53	12.8	20
XAI1X4X1/5	1.5	1 X Quad	9.8	155	59	12.8	17
XAI2X2X1/5	1.5	2	12.4	187	75	12.8	17
XAI4X2X1/5	1.5	4	14.9	320	90	12.8	12
XAI5X2X1/5	1.5	5	16.2	372	98	12.8	11
XAI6X2X1/5	1.5	6	17.7	435	107	12.8	10
XAI7X2X1/5	1.5	7	17.7	470	107	12.8	10
XAI8X2X1/5	1.5	8	19.3	538	116	12.8	9
XAI10X2X1/5	1.5	10	22.6	670	136	12.8	9
XAI12X2X1/5	1.5	12	23.3	750	140	12.8	9
XAI14X2X1/5	1.5	14	24.4	840	147	12.8	8
XAI16X2X1/5	1.5	16	26	950	156	12.8	8
XAI18X2X1/5	1.5	18	27.5	1050	165	12.8	7
XAI19X2X1/5	1.5	19	27.5	1090	165	12.8	7
XAI20X2X1/5	1.5	20	28.9	1150	174	12.8	7
XAI24X2X1/5	1.5	24	29.3	1300	176	12.8	7
XAI37X2X1/5	1.5	37	37.5	2040	225	12.8	6

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