XAI Marine Instrumentation Cable



Description

Used as control and signal cables in various electromechanical and electronic equipments of marine vehichles, in most areas & open deck in ships.

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

Key Features

Voltage Rating
150/250 Volts

Minimum Bending Radius
6 x overall diameter

Temperature Limits
Temperature Range: -40 to 90°C

Core Colours

Pairs & Quads: White with Black Numbers

Standards

- IEC 60092/350-360
- IEC 61034/1-2 (DIN EN 50268/1-2)
- IEC 60811/403
- IEC 60228
- IEC 60092/376
- IEC 60332-1, 60332/3-22 CAT A

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)
- **Sheath**: Halogen-free, flame retardant, polyolefin based compound (SHF1)
- **Sheath Colour**: Black or Grey

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

XAI Marine Instrumentation Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Pairs	Max Resistance at 20°c (Ω /km)	Overall Diameter(mm)	Weight(Kg/Km)
XAI1X4X0/5	0.50	1 Quad	40.4	7	71
XAI2X2X0/5	0.50	2	40.4	8.7	98
XAI4X2X0/5	0.50	4	40.4	9.2	134
XAI5X2X0/5	0.50	5	40.4	10.7	155
XAI7X2X0/5	0.50	7	40.4	11.7	194
XAI8X2X0/5	0.50	8	40.4	12.6	217
XAI10X2X0/5	0.50	10	40.4	15.1	300
XAI12X2X0/5	0.50	12	40.4	15.5	330
XAI14X2X0/5	0.50	14	40.4	16.2	372
XAI16X2X0/5	0.50	16	40.4	17.3	420
XAI18X2X0/5	0.50	18	40.4	18.1	456
XAI19X2X0/5	0.50	19	40.4	18.1	468
XAI20X2X0/5	0.50	20	40.4	19	490
XAI24X2X0/5	0.50	24	40.4	19.4	560
XAI37X2X0/5	0.50	37	40.4	24.1	810
XAI1X2X0	0.5	1	40.4	6.3	58
XAI1X2X0/75	0.75	1	26	7.10	75
XAI1X4X0/75	0.75	1 Quad	26	8	102
XAI2X2X0/75	0.75	2	26	10	124
XAI4X2X0/75	0.75	4	26	11.7	183
XAI5X2X0/75	0.75	5	26	12.7	213
XAI6X2X0/75	0.75	6	26	14.3	280
XAI7X2X0/75	0.75	7	26	14.3	300
XAI8X2X0/75	0.75	8	26	15.3	332
XAI10X2X0/75	0.75	10	26	17.9	414
XAI12X2X0/75	0.75	12	26	18.5	460
XAI14X2X0/75	0.75	14	26	19.5	520
XAI16X2X0/75	0.75	16	26	20.6	574
XAI18X2X0/75	0.75	18	26	21.6	628
XAI19X2X0/75	0.75	19	26	21.6	648
XAI20X2X0/75	0.75	20	26	22.8	695
XAI24X2X0/75	0.75	24	26	25.4	820
XAI37X2X0/75	0.75	37	26	29.1	1138
XAI1X2X0/5	1	1	19.2	7.4	80
XAI1X4X1	1	1 Quad	19.2	8.6	118
XAI2X2X1	1	2	19.2	10.5	138
XAI4X2X1	1	4	19.2	12.3	208

Reference	Conductor Size (mm2)	No Of Pairs	Max Resistance at 20°c (Ω /km)	Overall Diameter(mm)	Weight(Kg/Km)
XAI5X2X1	1	5	19.2	14	280
XAI6X2X1	1	6	19.2	15	318
XAI7X2X1	1	7	19.2	15	342
XAI8X2X1	1	8	19.2	16.2	380
XAI10X2X1	1	10	19.2	18.9	474
XAI12X2X1	1	12	19.2	19.7	540
XAI14X2X1	1	14	19.2	20.6	600
XAI16X2X1	1	16	19.2	21.7	665
XAI18X2X1	1	18	19.2	23	740
XAI19X2X1	1	19	19.2	23	765
XAI20X2X1	1	20	19.2	24.1	805
XAI24X2X1	1	24	19.2	24.7	918
XAI37X2X1	1	37	19.2	31	1348
XAI1X2X1/5	1.5	1	12.8	8.7	108
XAI1X4X1/5	1.5	1 Quad	12.8	9.8	155
XAI2X2X1/5	1.5	2	12.8	12.4	187
XAI4X2X1/5	1.5	4	12.8	14.9	320
XAI5X2X1/5	1.5	5	12.8	16.2	372
XAI6X2X1/5	1.5	6	12.8	17.7	435
XAI7X2X1/5	1.5	7	12.8	17.7	470
XAI8X2X1/5	1.5	8	12.8	19.3	538
XAI10X2X1/5	1.5	10	12.8	22.6	670
XAI12X2X1/5	1.5	12	12.8	23.3	750
XAI14X2X1/5	1.5	14	12.8	24.4	840
XAI16X2X1/5	1.5	16	12.8	26	950
XAI18X2X1/5	1.5	18	12.8	27.5	1050
XAI19X2X1/5	1.5	19	12.8	27.5	1090
XAI20X2X1/5	1.5	20	12.8	28.9	1150
XAI24X2X1/5	1.5	24	12.8	29.3	1300
XAI37X2X1/5	1.5	37	12.8	37.5	2040

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