XAI Marine Power Cable

Description

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.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
6 x overall diameter

Temperature Limits
Temperature Range: -40 to 90°C

Core Colours

Single Core: Black

2 core - Brown, Blue

3 core - Brown, Grey, Black

4 core - Brown, Black, Grey, Blue

5 core - Brown, Black, Grey, Blue, Black

Standards

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

Construction

- **Conductor**: Electrolytic stranded annealed copper wire Class 2. (Class 5 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)
- **NOFI**: With separating foil

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

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 Power Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Max Resistance at 20°c (Ω /km)	Overall Diameter(mm)	Weight(Kg/Km)
XAI1X1	1	1	19.5	5.6	56
XAI2X1	1	2	19.5	8.5	95
XAI3X1	1	3	19.5	8.9	110
XAI4X1	1	4	19.5	9.7	135
XAI5X1	1	5	19.5	10.5	156
XAI1X1/5	1.5	1	13.3	5.8	60
XAI2X1/5	1.5	2	13.3	8.9	107
XAI3X1/5	1.5	3	13.3	9.4	130
XAI4X1/5	1.5	4	13.3	10.2	160
XAI5X1/5	1.5	5	13.3	11.2	188
XAI7X1/5	1.5	7	13.3	12	230
XAI10X1/5	1.5	10	13.3	15.5	355
XAI12X1/5	1.5	12	96	16	390
XAI14X1/5	1.5	14	13.3	17	445
XAI16X1/5	1.5	16	13.3	17.9	491
XAI19X1/5	1.5	19	13.3	18.6	548
XAI20X1/5	1.5	20	13.3	19.8	600
XAI24X1/5	1.5	24	13.3	21.7	690
XAI30X1/5	1.5	30	13.3	23.2	817
XAI1X2/5	2.5	1	7.98	6.3	71
XAI2X2/5	2.5	2	7.98	9.8	134
XAI3X2/5	2.5	3	7.98	10.3	165
XAI4X2/5	2.5	4	7.98	11.5	210
XAI5X2/5	2.5	5	7.98	12.5	248
XAI7X2/5	2.5	7	7.98	14	342
XAI10X2/5	2.5	10	7.98	17.5	480
XAI14X2/5	2.5	14	7.98	19.4	613
XAI20X2/5	2.5	20	7.98	22.6	839
XAI1X4	4	1	4.95	6.8	90
XAI2X4	4	2	4.95	10.8	174
XAI3X4	4	3	4.95	11.6	224
XAI4X4	4	4	4.95	12.7	275
XAI5X4	4	5	4.95	14.4	368
XAI1X6	6	1	3.3	7.3	111
XAI2X6	6	2	3.3	12.1	224
XAI3X6	6	3	3.3	12.8	290
XAI4X6	6	4	3.3	14.6	395

Reference	Conductor Size (mm2)	No Of Cores	Max Resistance at 20°c (Ω /km)	Overall Diameter(mm)	Weight(Kg/Km)
XAI5X6	6	5	3.3	15.9	478
XAI1X10	10	1	1.91	8.6	165
XAI2X10	10	2	1.91	14.9	381
XAI3X10	10	3	1.91	15.7	470
XAI4X10	10	4	1.91	17.5	605
XAI5X10	10	5	1.91	19.3	736
XAI1X16	16	1	1.21	9.6	225
XAI2X16	16	2	1.21	17.1	525
XAI3X16	16	3	1.21	18.1	690
XAI4X16	16	4	1.21	20.1	850
XAI5X16	16	5	1.21	22.2	1045
XAI1X25	25	1	1.21	11.9	335
XAI1X35	35	1	0.78	12.8	431
XAI1X50	50	1	0.554	15.1	614
XAI1X70	70	1	0.386	17.4	851
XAI1X95	95	1	0.272	19	1062
XAI1X120	120	1	0.206	21.1	1332
XAI1X150	150	1	0.129	23.1	1631
XAI1X185	185	1	0.106	25.6	1963
XAI1X240	240	1	0.0801	28.9	2586
XAI1X300	300	1	0.0641	31.7	3152

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