



XAI(c) 150/250V Armoured Instrumentation Cable IEC 60092-376



Eland Product Group: ASH

APPLICATION

A flexible, armoured, flame-retardant and halogen-free, collectively screened, instrumentation cable designed for fixed installation, suitable for conditions on vessels of any size. For use in a wide range of temperatures, saline atmospheres and where UV radiation is present, according to the IEC60092 series.

CHARACTERISTICS

Voltage Rating U_0/U
150/250V

Maximum Operating Voltage U_{max}
300V

Temperature Range
+90°C

Minimum Bending Radius
4 x overall diameter

CONSTRUCTION

Conductor
Flexible Plain Copper

Insulation
XLPE (Cross linked Polyethylene)

Collective Screen
Al/PE tape

Drain Wire
Tinned copper drain wire

Armour
Plain copper wire braid

Sheath
SHF1 compound

Core Identification
Pair: ● Black ● Light Blue
Triple: ● Black ● Light Blue ● Brown
Multi pairs/triples: Progressively numbered

Sheath Colour
● Blue ● Grey

CABLE THIRD-PARTY ACCREDITATIONS

We supply DNV approved products
Cables are tested and certified by Det Norske Veritas (Norway)

We supply Lloyds Register approved products
Cables are tested and certified by Lloyds Register (UK)

We supply ABS approved products
Cables are tested and certified by American Bureau of Shipping (USA)

STANDARDS

IEC 60092-376, IEC 60092-360
Flame Retardancy IEC 60332-1-2, IEC 60332-3-22 Cat A
Halogen Content & Corrosivity IEC 60754-1 /2, IEC 60684-2
Smoke Density IEC 61034-1 /2
UV Resistance UL 1581 § 1200
Ozone Resistance IEC 60092-360
Cold Bend and Impact test (-40°C) CSA C 22.2 N° 0.3-09 & N° 38-18

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/ TRIPLES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL CONDUCTOR DIAMETER mm	NOMINAL INSULATION THICKNESS mm	NOMINAL DIAMETER UNDER ARMOUR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHIMC0175**	1P	0.75	1.1	0.6	4.9	8	120
ASHIMC0115**	1P	1.5	1.6	0.6	5.8	9	160
ASHIMC0175**	1T	0.75	1.1	0.6	5.3	8	130
ASHIMC1T15**	1T	1.5	1.6	0.6	6.3	10	180
ASHIMC0275**	2P	0.75	1.1	0.6	5.8	9	170
ASHIMC0215**	2P	1.5	1.6	0.6	6.9	10	220
ASHIMC0275**	2T	0.75	1.1	0.6	9.1	12	200
ASHIMC2T15**	2T	1.5	1.6	0.6	10.8	14	310
ASHIMC0475**	4P	0.75	1.1	0.6	9.8	13	230
ASHIMC0415**	4P	1.5	1.6	0.6	11.6	15	360
ASHIMC0475**	4T	0.75	1.1	0.6	10.9	15	320
ASHIMC4T15**	4T	1.5	1.6	0.6	13	17	460
ASHIMC0775**	7P	0.75	1.1	0.6	12.1	16	360
ASHIMC0715**	7P	1.5	1.6	0.6	14.4	19	520
ASHIMC0775**	7T	0.75	1.1	0.6	14.2	18	480
ASHIMC7T15**	7T	1.5	1.6	0.6	16.9	21	700
ASHIMC1075**	10P	0.75	1.1	0.6	15.1	19	500
ASHIMC1015**	10P	1.5	1.6	0.6	18	23	720
ASHIMC1075**	10T	0.75	1.1	0.6	17.7	22	660
ASHIMC10T15**	10T	1.5	1.6	0.6	21.1	26	970
ASHIMC1475**	14P	0.75	1.1	0.6	17.2	22	630
ASHIMC1415**	14P	1.5	1.6	0.6	20.5	26	920
ASHIMC14T75**	14T	0.75	1.1	0.6	19.9	25	830
ASHIMC14T15**	14T	1.5	1.6	0.6	23.6	29	1250
ASHIMC1975**	19P	0.75	1.1	0.6	20.0	25	790
ASHIMC1915**	19P	1.5	1.6	0.6	23.9	29	1180
ASHIMC19T75**	19T	0.75	1.1	0.6	23.1	28	1060
ASHIMC19T15**	19T	1.5	1.6	0.6	27.6	34	1630
ASHIMC2475**	24P	0.75	1.1	0.6	22.5	27	960
ASHIMC2415**	24P	1.5	1.6	0.6	26.8	32	1440
ASHIMC3075**	30P	0.75	1.1	0.6	25.2	30	1150
ASHIMC3015**	30P	1.5	1.6	0.6	30	36	1850

P = Pairs

T = Triples

Eland Part No. shown above designate the gland colour (). For each colour substitute * for a colour code as listed below. e.g. ASHIMC0175GR = 0.75mm² Grey

COLOUR CODES

COLOUR	Grey	Blue
CODE	GR	BL

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.



Click here for more information:

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ELAND
CABLES

ELECTRICAL CHARACTERISTICS - PAIRS

NOMINAL CROSS SECTIONAL AREA mm ²	MAX. CONDUCTOR RESISTANCE Ω/km		REACTANCE Ω/km		MAX. CAPACITANCE μF/Km	NOMINAL INDUCTANCE μH/Km	IMPEDANCE @ 50 & 60 HZ Ω/km		MAX. L/R RATIO @ 1KHZ μH/ Ω
	20°C	90°C	50 HZ	60 HZ			20°C	90°C	
0.75	26.0	33.2	0.104	0.124	0.080	330	26.0	33.2	12.7
1.5	12.8	16.3	0.094	0.113	0.090	300	12.8	16.3	23.4

ELECTRICAL CHARACTERISTICS - TRIPLES

NOMINAL CROSS SECTIONAL AREA mm ²	MAX. CONDUCTOR RESISTANCE Ω/km		REACTANCE Ω/km		MAX. CAPACITANCE μF/Km	NOMINAL INDUCTANCE μH/Km	IMPEDANCE @ 50 & 60 HZ Ω/km		MAX. L/R RATIO @ 1KHZ μH/ Ω
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