



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



Eland Product Group: ASH

## APPLICATION

A flexible, armoured, flame-retardant and halogen-free, individually 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)

### Individual 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](http://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 <sup>2</sup>	NOMINAL CONDUCTOR DIAMETER mm	NOMINAL INSULATION THICKNESS mm	NOMINAL DIAMETER UNDER ARMOUR mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHIMI0275**	2P	0.75	1.1	0.6	8.4	12	170
ASHIMI0215**	2P	1.5	1.6	0.6	9.9	13	230
ASHIMI0275**	2T	0.75	1.1	0.6	9.4	13	200
ASHIMI0215**	2T	1.5	1.6	0.6	11.1	15	320
ASHIMI0475**	4P	0.75	1.1	0.6	10.1	13	280
ASHIMI0415**	4P	1.5	1.6	0.6	11.9	16	370
ASHIMI0475**	4T	0.75	1.1	0.6	11.3	15	340
ASHIMI0415**	4T	1.5	1.6	0.6	13.3	17	480
ASHIMI0775**	7P	0.75	1.1	0.6	12.5	17	390
ASHIMI0715**	7P	1.5	1.6	0.6	14.8	19	560
ASHIMI0775**	7T	0.75	1.1	0.6	14.7	19	500
ASHIMI0715**	7T	1.5	1.6	0.6	17.4	22	740
ASHIMI1075**	10P	0.75	1.1	0.6	15.7	20	530
ASHIMI1015**	10P	1.5	1.6	0.6	18.6	23	750
ASHIMI1075**	10T	0.75	1.1	0.6	18.3	23	620
ASHIMI1015**	10T	1.5	1.6	0.6	21.7	26	1010
ASHIMI1475**	14P	0.75	1.1	0.6	17.9	22	670
ASHIMI1415**	14P	1.5	1.6	0.6	21.2	26	970
ASHIMI1475**	14T	0.75	1.1	0.6	20.6	25	690
ASHIMI1415**	14T	1.5	1.6	0.6	24.3	30	1300
ASHIMI1975**	19P	0.75	1.1	0.6	20.8	26	850
ASHIMI1915**	19P	1.5	1.6	0.6	24.6	30	1250
ASHIMI1975**	19T	0.75	1.1	0.6	23.9	29	1120
ASHIMI1915**	19T	1.5	1.6	0.6	28.4	35	1710
ASHIMI2475**	24P	0.75	1.1	0.6	23.4	28	1030
ASHIMI2415**	24P	1.5	1.6	0.6	27.7	33	1540
ASHIMI3075**	30P	0.75	1.1	0.6	26.1	31	1240
ASHIMI3015**	30P	1.5	1.6	0.6	31.0	37	1950

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. ASHIMI0275GR = 0.75mm<sup>2</sup> 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.



## ELECTRICAL CHARACTERISTICS - PAIRS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	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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