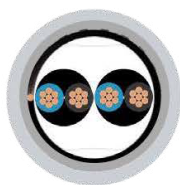




XI(c) 150/250V Instrumentation Cable IEC 60092-376



APPLICATION

A flexible, 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 copper conductor

Insulation

XLPE (Cross linked Polyethylene)

Collectively Screened

Al/PE tape

Drain Wire

Tinned copper drain wire

Sheath

SHF1 compound

Core Identification

Pair: ● Black ● Light Blue

Triple: ● Black ● Light Blue ● Brown

Multi pairs/triples: Progressively numbered

Sheath Colour

● 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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHIMUC0175**	1P	0.75	1.1	0.6	7	70
ASHIMUC0115**	1P	1.5	1.6	0.6	8	90
ASHIMUC01T75**	1T	0.75	1.1	0.6	7	80
ASHIMUC1T15**	1T	1.5	1.6	0.6	8	120
ASHIMUC0275**	2P	0.75	1.1	0.6	8	90
ASHIMUC0215**	2P	1.5	1.6	0.6	12	140
ASHIMUC02T75**	2T	0.75	1.1	0.6	11	150
ASHIMUC2T15**	2T	1.5	1.6	0.6	13	210
ASHIMUC0475**	4P	0.75	1.1	0.6	12	170
ASHIMUC0415**	4P	1.5	1.6	0.6	14	260
ASHIMUC04T75**	4T	0.75	1.1	0.6	13	220
ASHIMUC4T15**	4T	1.5	1.6	0.6	16	340
ASHIMUC0775**	7P	0.75	1.1	0.6	15	260
ASHIMUC0715**	7P	1.5	1.6	0.6	17	400
ASHIMUC07T75**	7T	0.75	1.1	0.6	17	360
ASHIMUC7T15**	7T	1.5	1.6	0.6	20	560
ASHIMUC1075**	10P	0.75	1.1	0.6	15	360
ASHIMUC1015**	10P	1.5	1.6	0.6	21	560
ASHIMUC10T75**	10T	0.75	1.1	0.6	20	500
ASHIMUC10T15**	10T	1.5	1.6	0.6	25	800
ASHIMUC1475**	14P	0.75	1.1	0.6	20	470
ASHIMUC1415**	14P	1.5	1.6	0.6	24	740
ASHIMUC14T75**	14T	0.75	1.1	0.6	23	650
ASHIMUC14T15**	14T	1.5	1.6	0.6	27	1060
ASHIMUC1975**	19P	0.75	1.1	0.6	23	610
ASHIMUC1915**	19P	1.5	1.6	0.6	28	990
ASHIMUC19T75**	19T	0.75	1.1	0.6	26	860
ASHIMUC19T15**	19T	1.5	1.6	0.6	31	1400
ASHIMUC2475**	24P	0.75	1.1	0.6	26	760
ASHIMUC2415**	24P	1.5	1.6	0.6	31	1230
ASHIMUC3075**	30P	0.75	1.1	0.6	28	930
ASHIMUC3015**	30P	1.5	1.6	0.6	34	1510

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 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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