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

APPLICATION

A flexible, 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 Uo/U
150/250V

Maximum Operating Voltage Umax
300V

Temperature Range
+90°C

Minimum Bending Radius
4 x overall diameter

CONSTRUCTION

Conductor
Flexible copper conductor

Insulation
XLPE (Cross linked Polyethylene)

Individual Screen
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 INUSLATION THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHIMUI0275**	2P	0.75	1.1	0.6	10	120
ASHIMUI0215**	2P	1.5	1.6	0.6	12	180
ASHIMUI02T75**	2T	0.75	1.1	0.6	12	160
ASHIMUI02T15**	2T	1.5	1.6	0.6	14	230
ASHIMUI0475**	4P	0.75	1.1	0.6	12	200
ASHIMUI0415**	4P	1.5	1.6	0.6	15	290
ASHIMUI04T75**	4T	0.75	1.1	0.6	14	250
ASHIMUI04T15**	4T	1.5	1.6	0.6	16	380
ASHIMUI0775**	7P	0.75	1.1	0.6	15	310
ASHIMUI0715**	7P	1.5	1.6	0.6	18	470
ASHIMUI07T75**	7T	0.75	1.1	0.6	17	410
ASHIMUI07T15**	7T	1.5	1.6	0.6	20	630
ASHIMUI1075**	10P	0.75	1.1	0.6	18	430
ASHIMUI1015**	10P	1.5	1.6	0.6	22	660
ASHIMUI10T75**	10T	0.75	1.1	0.6	21	560
ASHIMUI10T15**	10T	1.5	1.6	0.6	25	890
ASHIMUI1475**	14P	0.75	1.1	0.6	21	570
ASHIMUI1415**	14P	1.5	1.6	0.6	25	890
ASHIMUI14T75**	14T	0.75	1.1	0.6	24	750
ASHIMUI14T15**	14T	1.5	1.6	0.6	28	1190
ASHIMUI1975**	19P	0.75	1.1	0.6	24	750
ASHIMUI1915**	19P	1.5	1.6	0.6	28	1170
ASHIMUI19T75**	19T	0.75	1.1	0.6	27	1010
ASHIMUI19T15**	19T	1.5	1.6	0.6	32	1580
ASHIMUI2475**	24P	0.75	1.1	0.6	26	930
ASHIMUI2415**	24P	1.5	1.6	0.6	32	1460
ASHIMUI3075**	30P	0.75	1.1	0.6	29	1140
ASHIMUI3015**	30P	1.5	1.6	0.6	35	1820

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ELECTRICAL CHARACTERISTICS - PAIRS

NOMINAL CROSS SECTIONAL AREA mm²	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 mm²	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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