

BFOU(i) 150/250V Cable



Eland Product Group: ASH

APPLICATION

A halogen free fire resistant, individually screened, instrumentation and telecommunication cable for fixed installation. Suitable for use in all marine environments such as muddy, dry, wet or oily conditions, meeting the requirement for NEK 606.

CHARACTERISTICS

Voltage Rating U₀/U
150/250V

Test Voltage
1.5kV

Temperature Rating
-40°C to +90°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded tinned copper conductor

Tape
Mica glass tape

Insulation
Halogen free EPR (Ethylene Propylene Rubber)

Drain Wire
Stranded tinned copper

Individual Screen
Copper polyester tape

Bedding
Halogen free compound

Screen
TCWB (Tinned Copper Wire Braid)

Sheath
SHF, MUD (halogen free, mud resistant)

Core Identification
Pairs: ● Black ● Blue
Triples: ● Black ● Blue ● Brown

Sheath Colour
● Blue ● Grey

STANDARDS

NEK 606, IEC 60092-353, EN 60228,

Flame Retardant according to IEC/EN 60331, IEC/EN 60332-3-22, IEC/EN 60332-1-2

Halogen free according to IEC/EN 61034-2, IEC/EN 60754-1/2



ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/ TRIPLES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNBI0175**	1P	0.75	11.6	210
ASHNBI0275**	2P	0.75	17.1	330
ASHNBI0475**	4P	0.75	19.6	450
ASHNBI0775**	7P	0.75	23	610
ASHNBI0875**	8P	0.75	27.7	730
ASHNBI0975**	9P	0.75	27.7	810
ASHNBI1075**	10P	0.75	27.7	930
ASHNBI1275**	12P	0.75	29.8	960
ASHNBI1475**	14P	0.75	31.2	1300
ASHNBI1675**	16P	0.75	33.4	1450
ASHNBI1975**	19P	0.75	35.1	1750
ASHNBI2475**	24P	0.75	39.7	1710
ASHNBI1T75**	1T	0.75	12.1	230
ASHNBI2T75**	2T	0.75	18.7	390
ASHNBI4T75**	4T	0.75	21.5	540
ASHNBI7T75**	7T	0.75	25.4	800
ASHNBI8T75**	8T	0.75	30.7	910
ASHNBI9T75**	9T	0.75	30.7	1210
ASHNBI10T75**	10T	0.75	30.7	1380
ASHNBI12T75**	12T	0.75	33.6	1680
ASHNBI14T75**	14T	0.75	35.2	1950
ASHNBI16T75**	16T	0.75	37.6	1600
ASHNBI19T75**	19T	0.75	39.6	2510
ASHNBI24T75**	24T	0.75	44.7	2190
ASHNBI0115**	1P	1.5	13	240
ASHNBI0215**	2P	1.5	19.6	430
ASHNBI0415**	4P	1.5	22.6	610
ASHNBI0715**	7P	1.5	26.7	860
ASHNBI0815**	8P	1.5	32.8	1140
ASHNBI0915**	9P	1.5	32.8	1290
ASHNBI1015**	10P	1.5	32.8	1180
ASHNBI1215**	12P	1.5	35.4	1300
ASHNBI1415**	14P	1.5	37.6	1510
ASHNBI1615**	16P	1.5	39.7	1850
ASHNBI1915**	19P	1.5	41.8	2210
ASHNBI2415**	24P	1.5	47.2	2520
ASHNBI1T15**	1T	1.5	14	270
ASHNBI2T15**	2T	1.5	21.6	510
ASHNBI4T15**	4T	1.5	25	760
ASHNBI7T15**	7T	1.5	29.7	1.25
ASHNBI8T15**	8T	1.5	37	1090
ASHNBI9T15**	9T	1.5	37	1850
ASHNBI10T15**	10T	1.5	37	1700
ASHNBI12T15**	12T	1.5	39.9	1900
ASHNBI14T15**	14T	1.5	41.9	2280
ASHNBI16T15**	16T	1.5	44.8	2600
ASHNBI19T15**	19T	1.5	47.1	2990
ASHNBI24T15**	24T	1.5	52.8	2720



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ELAND PART NO.	NO. OF PAIRS/TRIPLES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNBI0125**	1P	2.5	14.4	290
ASHNBI0225**	2P	2.5	21.4	560
ASHNBI0425**	4P	2.5	24.7	1080
ASHNBI0725**	7P	2.5	29.3	1850
ASHNBI0825**	8P	2.5	36.6	1920
ASHNBI0925**	9P	2.5	36.6	2040
ASHNBI1025**	10P	2.5	36.6	22310
ASHNBI1T25**	1T	2.5	15.1	410
ASHNBI2T25**	2T	2.5	23.6	760
ASHNBI4T25**	4T	2.5	27.4	1580
ASHNBI7T25**	7T	2.5	32.6	2480
ASHNBI8T25**	8T	2.5	40.7	2770
ASHNBI9T25**	9T	2.5	40.7	3080
ASHNBI10T25**	10T	2.5	40.7	3480

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. ASHNBI0175GR = 0.75mm² Grey

COLOUR CODES

COLOUR	Grey	Blue
CODE	GR	BL

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
	Class 2	Class 5
0.5	36.7	40.1
0.75	24.8	26.7
1	18.2	20
1.5	12.2	13.7
2.5	7.56	8.21

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	SINGLE CORE Amps	2 CORE Amps	3 AND 4 CORE Amps	5 CORE Amps
1	18	15	13	11
1.5	23	20	16	13
2.5	30	26	21	18

Conductor Temperature: 90°C

Ambiente Temperature: 45°C

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.