



# RFOU(i) 150/250V NEK 606 S1/S5 Cable



Eland Product Group: ASH

## APPLICATION

A halogen free, low smoke, flame retardant, individually screened instrumentation and telecommunication cable for fixed installation in signal and communication applications. Suitable for installation in all marine environments such as muddy, wet, dry and oily conditions.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/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

**Insulation**  
Halogen free EPR (Ethylene Propylene Rubber)

**Drain Wire**  
Stranded tinned copper

**Individual Screen**  
Copper polyester tape

**Bedding**  
Halogen free compound

**Overall Screen**  
TCWB (Tinned Copper Wire Braid)

**Sheath**  
SHF, MUD (halogen free, mud resistant)

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

**Sheath Colour**  
● Grey ● Blue

**Note**  
Class 5 flexible conductors available on request

## STANDARDS

NEK 606, IEC 60092-350, IEC/EN 60228,

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

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



## THE CABLE LAB<sup>®</sup>

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)



SCIENCE  
BASED  
TARGETS

**BUSINESS  
AMBITION FOR 1.5°C**



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNRI0175**	1P	0.75	10.3	160
ASHNRI0275**	2P	0.75	14.9	300
ASHNRI0475**	4P	0.75	16.9	420
ASHNRI0775**	7P	0.75	19.6	580
ASHNRI0875**	8P	0.75	23.4	710
ASHNRI0975**	9P	0.75	23.4	800
ASHNRI1075**	10P	0.75	23.4	870
ASHNRI1275**	12P	0.75	25.1	900
ASHNRI1475**	14P	0.75	26.3	1200
ASHNRI1675**	16P	0.75	27.7	1100
ASHNRI1975**	19P	0.75	29.1	1610
ASHNRI2475**	24P	0.75	32.8	1590
ASHNRI1T75**	1T	0.75	10.7	180
ASHNRI2T75**	2T	0.75	16.2	360
ASHNRI4T75**	4T	0.75	18.4	500
ASHNRI7T75**	7T	0.75	21.5	760
ASHNRI8T75**	8T	0.75	25.9	870
ASHNRI9T75**	9T	0.75	25.9	1200
ASHNRI10T75**	10T	0.75	25.9	1310
ASHNRI12T75**	12T	0.75	27.8	1110
ASHNRI14T75**	14T	0.75	29.1	1790
ASHNRI16T75**	16T	0.75	30.8	1410
ASHNRI19T75**	19T	0.75	32.7	2420
ASHNRI24T75**	24T	0.75	36.9	2090
ASHNRI0115**	1P	1.5	11.7	210
ASHNRI0215**	2P	1.5	17.4	400
ASHNRI0415**	4P	1.5	19.9	580
ASHNRI0715**	7P	1.5	23.4	830
ASHNRI0815**	8P	1.5	28.1	1110
ASHNRI0915**	9P	1.5	28.1	1250
ASHNRI1015**	10P	1.5	28.1	1130
ASHNRI1215**	12P	1.5	30.3	1200
ASHNRI1415**	14P	1.5	31.8	1400
ASHNRI1615**	16P	1.5	34	1660
ASHNRI1915**	19P	1.5	36.2	1970
ASHNRI2415**	24P	1.5	40.4	2400
ASHNRI1T15**	1T	1.5	12.2	240
ASHNRI2T15**	2T	1.5	19	480
ASHNRI4T15**	4T	1.5	21.9	710
ASHNRI7T15**	7T	1.5	25.8	1210
ASHNRI8T15**	8T	1.5	31.3	1060
ASHNRI9T15**	9T	1.5	31.3	1840
ASHNRI10T15**	10T	1.5	31.3	1650
ASHNRI12T15**	12T	1.5	34.2	1800
ASHNRI14T15**	14T	1.5	36.3	2100
ASHNRI16T15**	16T	1.5	38.3	2400
ASHNRI19T15**	19T	1.5	40.3	2850
ASHNRI24T15**	24T	1.5	45.5	3600



ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNRI0125**	1P	2.5	12.7	260
ASHNRI0225**	2P	2.5	19.1	520
ASHNRI0425**	4P	2.5	22	1000
ASHNRI0725**	7P	2.5	26	1810
ASHNRI0825**	8P	2.5	31.4	1890
ASHNRI0925**	9P	2.5	31.4	2010
ASHNRI10T15**	10T	1.5	31.3	1650
ASHNRI12T15**	12T	1.5	34.2	1800
ASHNRI14T15**	14T	1.5	36.3	2100
ASHNRI16T15**	16T	1.5	38.3	2400
ASHNRI19T15**	19T	1.5	40.3	2850
ASHNRI24T15**	24T	1.5	45.5	3600
ASHNRI0125**	1P	2.5	12.7	260
ASHNRI0225**	2P	2.5	19.1	520
ASHNRI0425**	4P	2.5	22	1000
ASHNRI0725**	7P	2.5	26	1810
ASHNRI0825**	8P	2.5	31.4	1890
ASHNRI0925**	9P	2.5	31.4	2010
ASHNRI1025**	10P	2.5	31.4	2280
ASHNRI1T25**	1T	2.5	13.3	390
ASHNRI2T25**	2T	2.5	21	730
ASHNRI4T25**	4T	2.5	24.3	1510
ASHNRI7T25**	7T	2.5	28.8	2400
ASHNRI8T25**	8T	2.5	35.5	2740
ASHNRI9T25**	9T	2.5	35.5	3060
ASHNRI10T25**	10T	2.5	35.5	3410

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. ASHRI0175GR = 0.75mm<sup>2</sup> Grey

## COLOUR CODES

COLOUR	Grey	Blue
CODE	GR	BL

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
	Class 2	Class 5
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 <sup>2</sup>	SINGLE CORE Amps	2 CORE Amps	3 AND 4 CORE Amps	5 CORE Amps	MULTI CORE		
					INDUCTANCE mH/m	60Hz	50Hz
						REACTANCE ohms/km	
1	18	15	13	11	0.393	0.480	0.123
1.5	23	20	16	13	0.369	0.139	0.116
2.5	30	26	21	18	0.337	0.127	0.106

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.