

# BFOU(c) NEK 606 S4/S8 Cable



Eland Product Group: **ASH**

## APPLICATION

Halogen free, low smoke, fire resistant collective 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.

## CONSTRUCTION

### Conductor

Class 2 stranded tinned copper conductor according to BS EN 60228 (previously BS 6360)

### Separator

Mica glass tape

### Insulation

Halogen free EPR (Ethylene Propylene Rubber)

### Drain Wire

Stranded tinned copper drain wire

### Screen

Copper backed polyester tape screen

### Bedding

Halogen free compound

### Screen

TCWB (Tinned Copper Wire Braid)

### Sheath

SHF, MUD (halogen free, mud resistant)

### Note

Class 5 flexible conductors available on request

## CABLE STANDARDS

NEK 606 S4/S8, IEC 60092-376  
IEC 60092/350-351-359  
BS EN/IEC 60332-1, BS EN/IEC 60332-3-Cat A  
BS EN/IEC 60331  
BS EN/IEC 60754-1 and 2  
BS EN/IEC 61034-E1 and 2 DIN EN 50268-1 and 2  
IEC 60092-359



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Voltage Rating (U<sub>0</sub>/U)

150/250V

### Test Voltage

1.5kV

### Operating Temperature

-40°C to +90°C

### Minimum Bending Radius

8 x overall diameter

### Core Identification

Pairs: ● Black ● Blue

Triples: ● Black ● Blue ● Brown

### Sheath

● Grey ● Blue

## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNBC0175**	1P	0.75	11.7	210
ASHNBC0275**	2P	0.75	17.1	260
ASHNBC0475**	4P	0.75	19.5	380
ASHNBC0775**	7P	0.75	22.8	620
ASHNBC0875**	8P	0.75	27.4	760
ASHNBC0975**	9P	0.75	27.4	870
ASHNBC1075**	10P	0.75	27.4	820
ASHNBC1275**	12P	0.75	29.5	940
ASHNBC1475**	14P	0.75	30.9	910
ASHNBC1675**	16P	0.75	33.1	1200
ASHNBC1975**	19P	0.75	34.7	1480
ASHNBC2475**	24P	0.75	39.2	1520
ASHNBC1T75**	1T	0.75	12.2	240
ASHNBC2T75**	2T	0.75	18.7	440
ASHNBC4T75**	4T	0.75	21.5	570
ASHNBC7T75**	7T	0.75	25.2	760
ASHNBC8T75**	8T	0.75	30.5	920
ASHNBC9T75**	9T	0.75	30.5	1010
ASHNBC10T75**	10T	0.75	30.5	1210
ASHNBC12T75**	12T	0.75	33.2	1380
ASHNBC14T75**	14T	0.75	34.9	1520
ASHNBC16T75**	16T	0.75	37.3	1840
ASHNBC19T75**	19T	0.75	39.1	1890
ASHNBC24T75**	24T	0.75	43.7	2640
ASHNBC0115**	1P	1.5	13.1	220
ASHNBC0215**	2P	1.5	19.6	290
ASHNBC0415**	4P	1.5	22.5	530
ASHNBC0715**	7P	1.5	26.6	860
ASHNBC0815**	8P	1.5	32.2	930
ASHNBC0915**	9P	1.5	32.2	970
ASHNBC1015**	10P	1.5	32.2	1060
ASHNBC1215**	12P	1.5	35.1	1310
ASHNBC1415**	14P	1.5	37.3	1290
ASHNBC1615**	16P	1.5	39.4	1610
ASHNBC1915**	19P	1.5	41.4	1690
ASHNBC2415**	24P	1.5	46.7	2390
ASHNBC1T15**	1T	1.5	14.1	250
ASHNBC2T15**	2T	1.5	21.6	490
A5HNBC4T15**	4T	1.5	24.9	810
ASHNBC7T15**	7T	1.5	29.5	1620
ASHNBC8T15**	8T	1.5	36.7	1930
ASHNBC9T15**	9T	1.5	36.7	2160
ASHNBC10T15**	10T	1.5	36.7	2360
ASHNBC12T15**	12T	1.5	39.6	1990
ASHNBC14T15**	14T	1.5	41.6	1650
ASHNBC16T15**	16T	1.5	44.4	3690
ASHNBC19T15**	19T	1.5	46.7	4280
ASHNBC24T15**	24T	1.5	52.3	5410

ELAND PART NO.	NO. OF PAIRS/TRIPLES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNBC0125**	1P	2.5	14.5	240
ASHNBC0225**	2P	2.5	21.4	450
ASHNBC0425**	4P	2.5	24.6	770
ASHNBC0725**	7P	2.5	29.2	1160
ASHNBC0825**	8P	2.5	36.3	1370
ASHNBC0925**	9P	2.5	36.3	1590
ASHNBC1025**	10P	2.5	36.3	1750
ASHNBC1T25**	1T	2.5	15.2	260
ASHNBC2T25**	2T	2.5	23.5	520
ASHNBC4T25**	4T	2.5	27.3	990
ASHNBC7T25**	7T	2.5	32.9	1710
ASHNBC8T25**	8T	2.5	40.5	2210
ASHNBC9T25**	9T	2.5	40.5	2270
ASHNBC10T25**	10T	2.5	40.5	2560

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. A5HNBC0175GR = 0.75mm<sup>2</sup> Grey

#### Colour Codes

COLOUR	Grey	Blue
CODE	GR	BL

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DC 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>	1 CORE	2 CORE	3 AND 4 CORE	5 CORE
1	18	15	13	11
1.5	23	20	16	13
2.5	30	26	21	18

Conductor Temperature: 90°C  
Ambient 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.