

# RFOU(c) 150/250V NEK 606 S2 and S6 Cable



Eland Product Group: **ASH**

## APPLICATION

A halogen free, low smoke, flame retardant instrumentation cable for fixed installations for signal and communication applications. Suitable for all marine environment such as muddy, dry, wet or oily conditions meeting the requirements CF NEK 606.

## CONSTRUCTION

### Conductor

Class 2 tinned copper conductor

### Insulation

Halogen free EPR (Ethylene Propylene Rubber)

### Drain Wire

Stranded tinned copper

### Collective Screen

Copper backed polyester tape

### 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 S2/S6, IEC 60092-376, IEC 60092-350/351/359, BS EN/IEC 60332-1, BS EN/IEC 60332-3 Cat A, BS EN/IEC 60754-1 and 2, BS EN/IEC 61034/1 and 2, DIN EN 50268-1 and 2, BS EN 60288



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
ASHNRC0175**	1P	0.75	10.4	190
ASHNRC0275**	2P	0.75	14.9	230
ASHNRC0475**	4P	0.75	16.8	340
ASHNRC0775**	7P	0.75	19.5	580
ASHNRC0875**	8P	0.75	23.2	660
ASHNRC0975**	9P	0.75	23.2	670
ASHNRC1075**	10P	0.75	23.2	780
ASHNRC1275**	12P	0.75	24.8	820
ASHNRC1475**	14P	0.75	26	910
ASHNRC1675**	16P	0.75	27.3	1010
ASHNRC1975**	19P	0.75	28.7	1130
ASHNRC2475**	24P	0.75	31.9	1390
ASHNRC1T75**	1T	0.75	10.8	220
ASHNRC2T75**	2T	0.75	16.2	410
ASHNRC4T75**	4T	0.75	18.4	520
ASHNRC7T75**	7T	0.75	21.4	710
ASHNRC8T75**	8T	0.75	25.6	810
ASHNRC9T75**	9T	0.75	25.6	910
ASHNRC10T75**	10T	0.75	25.6	1100
ASHNRC12T75**	12T	0.75	27.5	890
ASHNRC14T75**	14T	0.75	28.8	970
ASHNRC16T75**	16T	0.75	30.4	1620
ASHNRC19T75**	19T	0.75	31.9	1710
ASHNRC24T75**	24T	0.75	36.4	2430
ASHNRC0115**	1P	1.5	11.8	200
ASHNRC0215**	2P	1.5	17.4	260
ASHNRC0415**	4P	1.5	19.8	480
ASHNRC0715**	7P	1.5	23.2	840
ASHNRC0815**	8P	1.5	27.9	830
ASHNRC0915**	9P	1.5	27.9	880
ASHNRC1015**	10P	1.5	27.9	940
ASHNRC1215**	12P	1.5	30	1110
ASHNRC1415**	14P	1.5	31.5	1290
ASHNRC1615**	16P	1.5	33.7	1490
ASHNRC1915**	19P	1.5	35.4	1500
ASHNRC2415**	24P	1.5	39.9	2110
ASHNRC1T15**	1T	1.5	12.3	230
ASHNRC2T15**	2T	1.5	19	460
ASHNRC4T15**	4T	1.5	21.8	920
ASHNRC7T15**	7T	1.5	25.7	1590
ASHNRC8T15**	8T	1.5	31	1840
ASHNRC9T15**	9T	1.5	31	2070
ASHNRC10T15**	10T	1.5	31	2280
ASHNRC12T15**	12T	1.5	33.8	1990
ASHNRC14T15**	14T	1.5	35.9	1370
ASHNRC16T15**	16T	1.5	37.9	3460
ASHNRC19T15**	19T	1.5	39.9	4190
ASHNRC24T15**	24T	1.5	45	5290

ELAND PART NO.	NO. OF PAIRS/TRIPLES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHNRC0125**	1P	2.5	12.8	220
ASHNRC0225**	2P	2.5	19.1	320
ASHNRC0425**	4P	2.5	21.9	640
ASHNRC0725**	7P	2.5	25.8	1120
ASHNRC0825**	8P	2.5	31.2	1280
ASHNRC0925**	9P	2.5	31.2	1440
ASHNRC1025**	10P	2.5	31.2	1600
ASHNRC1T25**	1T	2.5	13.8	240
ASHNRC2T25**	2T	2.5	21	480
ASHNRC4T25**	4T	2.5	24.2	960
ASHNRC7T25**	7T	2.5	28.6	1680
ASHNRC8T25**	8T	2.5	35.2	1920
ASHNRC9T25**	9T	2.5	35.2	2160
ASHNRC10T25**	10T	2.5	35.2	2400

P = Pairs  
T = Triples

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	APPROXIMATE DIAMETER mm	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
		Class 2	Class 5
0.75	1.1	24.8	26.7
1	1.3	18.2	20
1.5	1.6	12.2	13.7
2.5	2	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  
Ambiente Temperature: 45°C