

## NEK606 BFOU Instrumentation Cable - Mud Resistant - 0.75mm<sup>2</sup> to 1.5mm<sup>2</sup>



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## Description

BFOU fire resistant and flame retardant, halogen free instrumentation marine cables for fixed installation in electromechanical and electric equipment, emergency and critical systems, lighting and electric distribution systems. Suitable for use in all conditions in a marine environment such as muddy, dry, wet and oily conditions meeting the requirements of NEK 606.

## Key Features



**Voltage Rating**  
150/250 Volts



**Minimum Bending Radius**  
6 x overall diameter



**Flame Retardancy**  
BS EN/IEC 60332-1  
BS EN/IEC 60332-3-22 Cat A



**Temperature Limits**  
Temperature Range: -40 to 90°C

## Core Colours

Grey      Blue

## Standards

- IEC60332-3 Cat A
- IEC 60092-353
- Mud resistant to NEK606
- BS EN/IEC 60228
- IEC/EN 60754-1/2
- BS EN/IEC 60332-1-2
- IEC/EN 61034-1/2,

## Construction

### • Conductor:

Class 2, tinned annealed copper

### • Fire Protection:

MICA Glass Fibre Tape

- **Insulation:** EPR (Ethylene Propylene Rubber)
- **Bedding:** Halogen Free Mud Resistant Bedding
- **Armour:** Tinned copper wire braid (TCWB)
- **Sheath Colour:** Grey or Blue

## QA Lab

### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

### ecovadis



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## NEK606 BFOU Instrumentation Cable - Mud Resistant - 0.75mm<sup>2</sup> to 1.5mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	No Of Pairs	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
BFOUI1X2X/75	0.75	1	1 Pair	24/0.20	11.4	206
BFOUC2X2X/75GY	0.75	2	2 Pair	24/0.20	17.1	413
BFOUI1X3X/75GY	0.75	3	1 Triple	24/0.20	11.8	223
BFOUI1X2X1/5	1.5	1	1 Pair	7/0.53	12.3	248
BFOU	1.5	2	2 Pair	7/0.53	18.7	501
BFOUI1X3X1/5GY	1.5	3	1 Triple	7/0.53	12.8	273
BFOUI4X2X1/5GY	1.5	4	4 Pair	7/0.53	22.6	610
BFOUI8X2X1/5GY	1.5	8	8 Pair	7/0.53	32.8	1140
BFOUI12X2X1/5GY	1.5	12	12 Pair	7/0.53	35	1445



# NEK606 MARINE CABLE - ELECTRICAL PROPERTIES

NOMINAL CROSS SECTIONAL AREA	CONTINUOUS CURRENT RATING			
	(MM <sup>2</sup> )	SINGLE CORE	2 CORE	3 AND 4 CORE
0.75	14	11.00	9	8.00
1	18	15.00	13	11.00
1.5	23	20.00	16	13.00
2.5	30	26.00	21	18.00
4	40	34.00	28	23.00
6	52.00	44.00	36.00	30.00
10	72	61	50	42
16	96	82.00	67	56.00
25	127	108.00	89	74.00
35	157	133.00	110	92.00

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