

## NEK606 BFOU Power & Instrumentation Cable - Mud Resistant - 1.5mm<sup>2</sup> to 35mm<sup>2</sup>



### Description

BFOU fire resistant and flame retardant, halogen free power and 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

Power Cable 600/1000 Volts  
\*Instrumentation Cable 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

fixed installation: -40°C to +90°C

### Core Colours

2 core -	Brown	Blue		
3 core -	Brown	Grey	Black	
4 core -	Brown	Grey	Black	Blue
5 core and above -	White	numbered		

### Standards

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

### Construction

- **Conductor:** Class 2 stranded 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:** Instrumentation cable: Blue or Grey  
Power Cable: Black

### 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

## NEK606 BFOU Power & Instrumentation Cable - Mud Resistant - 1.5mm<sup>2</sup> to 35mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
BFOU1X3X/75*	0.75	1 Triple	24/0.20	11.8	223
BFOU2X2X/75GY*	0.75	2 Pair	24/0.20	17.1	413
BFOU1X2X/75GY*	0.75	1 Pair	24/0.20	11.4	206
BFOU2X1/5	1.5	2	7/0.53	14.4	317
BFOU3X1/5	1.5	3	7/0.53	15	349
BFOU4X1/5	1.5	4	7/0.53	15.9	397
BFOU5X1/5	1.5	5	7/0.53	16.5	496
BFOU7X1/5	1.5	7	7/0.53	18.2	370
BFOU12X1/5	1.5	12	7/0.53	23.6	545
BFOU1X3X1/5GY*	1.5	1 Triple	7/0.53	12.8	273
BFOU2X2X1/5GY*	1.5	2 Pair	7/0.53	18.7	501
BFOU1X2X1/5GY*	1.5	1 Pair	7/0.53	12.3	248
BFOU2X2/5	2.5	2	7/0.67	15.5	373
BFOU4X2/5	2.5	3	7/0.67	17.1	479
BFOU3X2/5	2.5	3	7/0.67	16.1	417
BFOU5X2/5	2.5	5	7/0.67	18.5	598
BFOU7X2/5	2.5	7	7/0.67	19.9	657
BFOU12X2/5	2.5	12	7/0.67	25.5	1115
BFOU2X4	4	2	7/0.85	17.1	460
BFOU3X4	4	3	7/0.85	17.8	521
BFOU4X4	4	4	7/0.85	19	616
BFOU2X6	6	2	7/1.04	18.3	546
BFOU3X6	6	3	7/1.04	19.1	627
BFOU4X6	6	4	7/1.04	20.9	616
BFOU2X10	10	2	7/1.35	20.2	724
BFOU4X10	10	3	7/1.35	22.5	1009
BFOU3X10	10	3	7/1.35	21.1	857
BFOU2X16	16	2	7/1.70	22.7	957
BFOU3X16	16	3	7/1.70	23.6	1148
BFOU4X16	16	4	7/1.70	25.6	1370
BFOU4X25	25	4	19/1.35	27	1770
BFOU4X35	35	4	19/1.53	30.8	2271

## NEK606 MARINE CABLE - ELECTRICAL PROPERTIES

NOMINAL CROSS SECTIONAL AREA  (MM <sup>2</sup> )	CONTINUOUS CURRENT RATING			
	SINGLE CORE	2 CORE	3 AND 4 CORE	5 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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