NEK606 BFOU Instrumentation Cable - Mud Resistant - 0.75mm² to 1.5mm²



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

Pairs: Black | Blue

Triples: Black | Blue | Brown

Quads: Black | Blue | Brown | Grey

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
- **Protective Tape**: Mica Glass Tape (MGT) Layer
- **Insulation**: EPR (Ethylene Propylene Rubber)
- **Insulation Screen**: Alu/Polyester Tape (AL/PET) Screen On Each Pair
- **Bedding**: Halogen Free Mud Resistant Bedding
- **Overall Tape Screen**: Polyester tape wrapping
- **Armour**: Tinned copper wire braid (TCWB)
- **Sheath Colour**: Grey or Blue

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

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.

CLEVELAND CABLE COMPANY

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 - 0.75mm² to 1.5mm² - Dimensions

Reference	Conductor Size (mm2)	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^2)	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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