NEK606 BFOU Power Cable - Mud Resistant - 1.5mm² to 300mm²



Description

BFOU fire resistant and flame retardant, halogen free power 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
600/1000 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 - Black with White numbers

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 tinned annealed copper
- **Protective Tape**: Mica Glass Tape (MGT) Layer
- **Insulation**: EPR (Ethylene Propylene Rubber)
- **Insulation Screen**: Aluminium/Polyester Tape (AL/PET) Individually Screened
- **Bedding**: Halogen Free Mud Resistant Bedding
- **Screen**: Aluminium/Polyester Tape Screen (AL/PET)
- **Armour**: Tinned copper wire braid (TCWB)
- **Sheath Colour**: Black

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
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.

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

NEK606 BFOU Power Cable - Mud Resistant - 1.5mm² to 300mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
BFOU2X1/5	1.5	2	14.4	317
BFOU3X1/5	1.5	3	15	349
BFOU4X1/5	1.5	4	15.9	397
BFOU5X1/5	1.5	5	16.5	496
BFOU7X1/5	1.5	7	18.2	370
BFOU12X1/5	1.5	12	23.6	545
BFOU2X2/5	2.5	2	15.5	373
BFOU4X2/5	2.5	3	17.1	479
BFOU3X2/5	2.5	3	16.1.1	417
BFOU5X2/5	2.5	5	18.5	598
BFOU7X2/5	2.5	7	19.9	657
BFOU12X2/5	2.5	12	25.5	1115
BFOU1X4	4	1	10.4	91
BFOU2X4	4	2	17.1	460
BFOU3X4	4	3	17.8	521
BFOU4X4	4	4	19	616
BFOU5X4	4	5	20.3	690
BFOU1X6	6	1	10.9	116
BFOU2X6	6	2	18.3	546
BFOU3X6	6	3	19.1	627
BFOU4X6	6	4	20.9	616
BFOU5X6	6	5	21.8	860
BFOU1X10	10	1	11.9	167
BFOU2X10	10	2	20.2	724
BFOU4X10	10	3	22.5	1009
BFOU3X10	10	3	21.1	857
BFOU5X10	10	5	24.6	1150
BFOU1X16	16	1	13	239
BFOU2X16	16	2	22.7	957
BFOU3X16	16	3	23.6	1148
BFOU4X16	16	4	25.6	1370
BFOU5X16	16	5	27.4	1600
BFOU1X25	25	1	15.4	354
BFOU2X25	25	2	25.5	1280
BFOU3X25	25	3	27.2	1850
BFOU4X25	25	4	27	1770
BFOU5X25	25	5	32.6	2280
BFOU1X35	35	1	16.6	473

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
BFOU2X35	35	2	28	1580
BFOU3X35	35	3	29.8	1960
BFOU4X35	35	4	30.8	2271
BFOU5X35	35	5	36.8	2960
BFOU1X50	50	1	18.1	647
BFOU2X50	50	2	31	2050
BFOU3X50	50	3	33.1	2580
BFOU4X50	50	4	37.3	3120
BFOU5X50	50	5	40.9	4070
BFOU1X70	70	1	20.1	881
BFOU3X70	70	3	38.3	3450
BFOU4X70	70	4	42.2	4440
BFOU5X70	70	5	46.3	5350
BFOU1X95	95	1	22.4	1420
BFOU3X95	95	3	43.2	4480
BFOU4X95	95	4	48.1	5920
BFOU5X95	95	5	52.9	7120
BFOU1X120	120	1	24.4	1710
BFOU3X120	120	3	48	5650
BFOU4X120	120	4	53	7210
BFOU1X150	150	1	26.5	2050
BFOU3X150	150	3	52.4	6800
BFOU4X150	150	4	58	8690
BFOU1X185	185	1	28.8	2480
BFOU3X185	185	3	57.5	8400
BFOU4X185	185	4	64.1	10700
BFOU1X240	240	1	31.6	3160
BFOU3X240	240	3	64	10810
BFOU4X240	240	4	72.7	13860
BFOU1X300	300	1	35	3850
BFOU3X300	300	3	74	13135

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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