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



Description

RFOU flame retardant, halogen free power and instrumentation marine cables for fixed installation. 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, Black, Grey

4 core - Brown, Black, Grey, Blue

5 core and above - White numbered

Standards

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

Construction

- **Conductor**: Class 2 tinned annealed copper
- **Insulation**: EPR (Ethylene Propylene Rubber)
- **Bedding**: Halogen Free Mud Resistant Bedding
- **Armour**: Tinned copper wire braid (TCWB)
- **Outer Sheath**: Mud resistant sheath
- **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.

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

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

Reference	Conductor Size (mm2)	No Of Cores	Weight(Kg/Km)
RFOU2X1/5	1.5	2	317
RFOU3X1/5	1.5	3	349
RFOU4X1/5	1.5	4	397
RFOU5X1/5	1.5	5	470
RFOU7X1/5	1.5	7	370
RFOU12X1/5	1.5	12	545
RFOU2X2/5	2.5	2	373
RFOU3X2/5	2.5	3	417
RFOU4X2/5	2.5	4	479
RFOU5X2/5	2.5	5	560
RFOU7X2/5	2.5	7	657
RFOU12X2/5	2.5	12	1115
RFOU2X4	4	2	460
RFOU3X4	4	3	521
RFOU4X4	4	4	616
RFOU5X4	4	5	720
RFOU3X6	6	3	627
RFOU4X6	6	4	616
RFOU5X6	6	5	905
RFOU2X6	6	7	546
RFOU1X10	10	1	330
RFOU2X10	10	2	724
RFOU3X10	10	3	857
RFOU4X10	10	4	1009
RFOU5X10	10	5	1200
RFOU1X16	16	1	405
RFOU2X16	16	2	957
RFOU3X16	16	3	1148
RFOU4X16	16	4	1370
RFOU5X16	16	5	1635
RFOU1X25	25	1	565
RFOU2X25	25	2	1300
RFOU3X25	25	3	1609
RFOU4X25	25	4	1770
RFOU5X25	25	5	2385
RFOU1X35	35	1	715
RFOU2X35	35	2	1620
RFOU3X35	35	3	2079

Reference	Conductor Size (mm2)	No Of Cores	Weight(Kg/Km)
RFOU4X35	35	4	2271
RFOU1X50	50	1	850
RFOU2X50	50	2	2045
RFOU3X50	50	3	2565
RFOU4X50	50	4	3265
RFOU1X70	70	1	1120
RFOU3X70	70	3	3500
RFOU4X70	70	4	4360
RFOU1X95	95	1	1430
RFOU3X95	95	3	4565
RFOU4X95	95	4	5715
RFOU1X120	120	1	1735
RFOU3X120	120	3	5625
RFOU4X120	120	4	7060
RFOU1X150	150	1	2035
RFOU3X150	150	3	6660
RFOU4X150	150	4	8370
RFOU1X185	185	1	2530
RFOU3X185	185	3	8325
RFOU4X185	185	4	10645
RFOU1X240	240	1	3170
RFOU3X240	240	3	10640
RFOU4X240	240	4	13590
RFOU1X300	300	1	3940
RFOU3X300	300	3	12895
RFOU4X300	300	4	16335

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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