

NEK606 RFOU Power & Instrumentation Cable Mud Resistant - 1.5mm² to 35mm²



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

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	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 stranded 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:** 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 RFOU Power & Instrumentation Cable Mud Resistant - 1.5mm² to 35mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Weight(Kg/Km)
RFOU2X1/5	1.5	2	7/0.53	317
RFOU3X1/5	1.5	3	7/0.53	349
RFOU4X1/5	1.5	4	7/0.53	397
RFOU7X1/5	1.5	7	7/0.53	370
RFOU12X1/5	1.5	12	7/0.53	545
RFOU2X2/5	2.5	2	7/0.67	373
RFOU3X2/5	2.5	3	7/0.67	417
RFOU4X2/5	2.5	4	7/0.67	479
RFOU7X2/5	2.5	7	7/0.67	657
RFOU12X2/5	2.5	12	7/0.67	1115
RFOU2X4	4	2	7/0.85	460
RFOU3X4	4	3	7/0.85	521
RFOU4X4	4	4	7/0.85	616
RFOU3X6	6	3	7/1.04	627
RFOU4X6	6	4	7/1.04	616
RFOU2X6	6	7	7/1.04	546
RFOU2X10	10	2	7/1.35	724
RFOU3X10	10	3	7/1.35	857
RFOU4X10	10	4	7/1.35	1009
RFOU2X16	16	2	7/1.70	957
RFOU3X16	16	3	7/1.70	1148
RFOU4X16	16	4	7/1.70	1370
RFOU3X25	25	3	19/1.35	1609
RFOU4X25	25	4	19/1.35	1770
RFOU3X35	35	3	19/1.53	2079
RFOU4X35	35	4	19/1.53	2271



NEK606 MARINE CABLE - ELECTRICAL PROPERTIES

NOMINAL CROSS SECTIONAL AREA (MM ²)	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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