



RFOU SERIES

NEK606 RFOU Fixed CBS
Shipboard / Offshore Power Cable
0.6/1kV 90°C



APPLICATIONS:

Mud resistant In accordance with NEK 606, the cables shall have a sheath (SHF MUD) that complies with the requirements in IEC 60092-359 for SHF 2 sheath materials.

Oil & Gas For control, lighting and power systems on oil and gas rigs.

Marine For fixed wiring installations on oil and gas rigs, shipboard and other marine applications requiring screened cable for EMC.

PRODUCT FEATURES:

- ▶ Low smoke halogen free
- ▶ Mud resistant to NEK606
- ▶ PVC free
- ▶ Lloyds approved
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ To be earthed at both ends using EMC compatible glands
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

Conductor Annealed tinned copper stranded (Class 2).

Insulation Halogen free EPR (Ethylene Propylene Rubber).

Inner Sheath SHF 2, thermoset dual compound LSHF and oil/mud resistant.

Screening Tinned copper braid screen.

Sheath SHF 2, thermoset dual compound LSHF and oil/mud resistant.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C.

Maximum Conductor temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U₀/U 0.6/1kV.

Max AC Operating Voltage U₀ 0.7kV.

Sheath Colour Black.

Standard Core Colours

Single Core – White.


2 Core – White and Black.

3 Core – White, Black and Red.

4 Core – Off-White, Black, Red and Blue.

Certification Society Approvals Lloyds Register of Shipping.


Relevant Standards NEK606, IEC 60092-353, IEC 60092-351, IEC 60092-359, IEC 60754-1/2, IEC 61034-1, IEC 61034-2, IEC 60228, IEC 60332-3-22, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation
					Touching or in ventilated ducts 
RFOU1/16	1 x 16	7/1.70	11.2	385	94
RFOU1/25	1 x 25	7/2.13	13.3	573	125
RFOU1/35	1 x 35	7/2.52	14.6	713	155
RFOU1/50	1 x 50	19/1.83	15.9	896	196
RFOU1/70	1 x 70	19/2.17	17.8	1160	248
RFOU1/95	1 x 95	19/2.52	20.1	1484	298
RFOU1/120	1 x 120	37/2.03	21.2	1758	354
RFOU1/150	1 x 150	37/2.27	23.0	2119	409
RFOU1/185	1 x 185	37/2.52	25.5	2558	470
RFOU1/240	1 x 240	61/2.24	28.9	3240	565
RFOU1/300	1 x 300	61/2.50	32.9	4050	650

Product table continued over ▶

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RFOU SERIES continued

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)	Touching or in ventilated ducts 
RFOU02/1.5	2 x 1.5	7/0.52	14.4	317	25
RFOU02/2.5	2 x 2.5	19/0.41	15.5	373	33
RFOU02/4.0	2 x 4.0	19/0.52	17.1	460	44
RFOU02/6.0	2 x 6.0	19/0.64	18.3	546	56
RFOU02/10	2 x 10	49/0.51	20.2	724	79
RFOU02/16	2 x 16	49/0.65	22.7	957	106
RFOU03/1.5	3 x 1.5	7/0.52	15.0	349	25
RFOU03/2.5	3 x 2.5	19/0.41	16.1	417	33
RFOU03/4.0	3 x 4.0	19/0.52	17.8	521	44
RFOU03/6.0	3 x 6.0	19/0.64	19.1	627	56
RFOU03/10	3 x 10.0	49/0.51	21.1	857	79
RFOU03/16	3 x 16.0	49/0.65	23.6	1148	106
RFOU03/25	3 x 25.0	84/0.62	27.6	1609	119
RFOU03/35	3 x 35.0	133/0.58	30.9	2079	146
RFOU04/1.5	4 x 1.5	7/0.52	15.9	397	21
RFOU04/2.5	4 x 2.5	19/0.41	17.1	479	29
RFOU04/4.0	4 x 4.0	19/0.52	19.0	616	37
RFOU04/6.0	4 x 6.0	19/0.64	20.9	761	47
RFOU04/10	4 x 10.0	49/0.51	22.5	1009	67
RFOU04/16	4 x 16.0	49/0.65	25.6	1370	89
RFOU04/25	4 x 25.0	84/0.62	29.7	1938	119
RFOU04/35	4 x 35.0	133/0.58	33.3	2520	149
RFOU04/50	4 x 50.0	133/0.69	37.4	3387	187
RFOU04/70	4 x 70.0	189/0.69	42.6	4506	235
RFOU04/95	4 x 95.0	259/0.69	49.0	6042	282
RFOU04/120	4 x 120	336/0.67	52.6	7324	333
RFOU07/1.5	7 x 1.5	7/0.52	18.2	370	15
RFOU12/1.5	12 x 1.5	7/0.52	23.6	545	15
RFOU19/1.5	19 x 1.5	7/0.52	27.0	743	15
RFOU37/1.5	37 x 1.5	7/0.52	31.8	1291	15
RFOU07/2.5	7 x 2.5	19/0.41	19.9	657	20
RFOU12/2.5	12 x 2.5	19/0.41	25.5	1115	20
RFOU19/2.5	19 x 2.5	19/0.41	29.3	1516	20
RFOU27/2.5	27 x 2.5	19/0.41	34.6	2107	20
RFOU37/2.5	37 x 2.5	19/0.41	38.9	2662	20