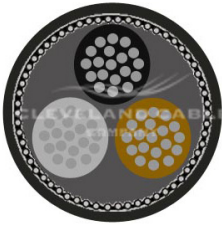


NEK606 BFOU POWER & INSTRUMENTATION MARINE CABLE



APPLICATION

BFOU Fire resistant and flame retardant, halogen free power and 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.

CABLE STANDARDS

IEC 60228 class 2
IEC 60092-353
IEC60754-1, 2
IEC60332-3/A
IEC61034-1,2
Mud Resistant to NEK606

CONSTRUCTION

Conductor: Copper Conductor
Insulation: Ethylene Propylene (EPR)
Bedding: Halogen Free Mud Resistant Bedding
Armouring: Tinned copper wire braid
Sheath: Mud resistant sheath
Sheath Colour:
Power Cables: ■ Black
Instrumentation cable: ■ Grey or ■ Blue

CHARACTERISTICS

Voltage Rating: Power Cable 600/1000 Volts
*Instrumentation Cable 150-250 Volts
Temperature Limits: -40°C (fixed installation) to +90°C
Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: ■ Brown ■ Blue
3 Core: ■ Brown ■ Grey ■ Black
4 Core: ■ Brown ■ Black ■ Grey ■ Blue
5 Core & above: □ White numbered

NEK606 BFOU MARINE POWER CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF CORES	WEIGHT	DIAMETER
BFOU2X1/5	1.5	7/0.53	2	317	14.4
BFOU3X1/5	1.5	7/0.53	3	349	15
BFOU4X1/5	1.5	7/0.53	4	397	15.9
BFOU5X1/5	1.5	7/0.53	5	496	16.5
BFOU7X1/5	1.5	7/0.53	7	370	18.2
BFOU12X1/5	1.5	7/0.53	12	545	23.6
BFOU2X2/5	2.5	7/0.67	2	373	15.5
BFOU3X2/5	2.5	7/0.67	3	417	16.1
BFOU4X2/5	2.5	7/0.67	4	479	17.1
BFOU5X2/5	2.5	7/0.67	5	598	18.5
BFOU7X2/5	2.5	7/0.67	7	657	19.9
BFOU12X2/5	2.5	7/0.67	12	1115	25.5
BFOU2X4	4	7/0.85	2	460	17.1
BFOU3X4	4	7/0.85	3	521	17.8
BFOU4X4	4	7/0.85	4	616	19
BFOU2X6	6	7/1.04	2	546	18.3
BFOU3X6	6	7/1.04	3	627	19.1
BFOU4X6	6	7/1.04	4	616	20.9
BFOU2X10	10	7/1.35	2	724	20.2
BFOU3X10	10	7/1.35	3	857	21.1
BFOU4X10	10	7/1.35	4	1009	22.5
BFOU2X16	16	7/1.70	2	957	22.7
BFOU3X16	16	7/1.70	3	1148	23.6
BFOU4X16	16	7/1.70	4	1370	25.6
BFOU4X25	25	19/1.35	4	1770	27
RFOU4X35	35	19/1.53	4	2271	30.8

NEK606 BFOU MARINE INSTRUMENTATION CABLE – DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER
*BFOU1X2X/75GY	0.75	24/0.20	1 Pair	206	11.4
*BFOU1X2X0.75BU	0.75	24/0.20	1 Pair	206	11.4
*BFOUC2X2X/75GY	0.75	24/0.20	2 Pair	413	17.1
*BFOU1X3X/75GY	0.75	24/0.20	1 Triple	223	11.8
*BFOU1X2X1/5GY	1.5	7/0.53	1 Pair	248	12.3
*BFOUC2X2X1/5GY	1.5	7/0.53	2 Pair	501	18.7
*BFOU1X3X1/5GY	1.5	7/0.53	1 Triple	273	12.8
*BFOU4X2X1/5GY	1.5	7/0.53	4 Pair	610	22.6
*BFOU8X2X1/5GY	1.5	7/0.53	8 Pair	1140	32.8
*BFOU12X2X1/5GY	1.5	7/0.53	12 Pair	1445	35

NEK606 BFOU MARINE CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	CONTINUOUS CURRENT RATING				MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
	SINGLE CORE	2 CORE	3 AND 4 CORE	5 CORE	CLASS 2 COPPER CONDUCTOR
0.75	14	11	9	8	24.8
1	18	15	13	11	18.2
1.5	23	20	16	13	12.2
2.5	30	26	21	18	7.56
4	40	34	28	23	4.7
6	52	44	36	30	3.11
10	72	61	50	42	1.84
16	96	82	67	56	1.16
25	127	108	89	74	0.734
35	157	133	110	92	0.529

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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