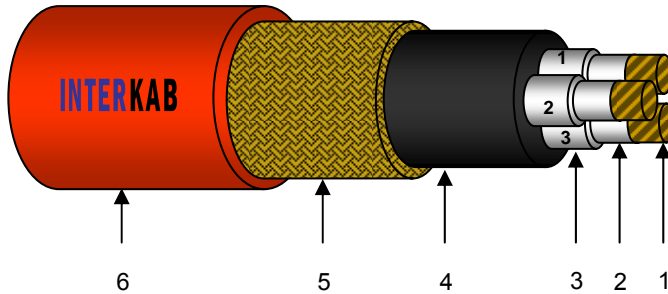


3.6 / 6kv
Fire Resistant

Medium Voltage Power Cables to NEK 606 Specification

BFOU - Power / Control Cables – Single and Multicore, Medium Power, armoured cables



Applicable Standards:

NEK 606 / IEC 60092-3

IEC 60092-351

IEC 60331 part 3 (Category A)

IEC 60092-359

Stranded class 2 or tinned annealed
copper conductors to IEC60228

Application:	This range of cables is designed for use in fixed wiring on ships and offshore platforms and drilling rigs, especially used where life may be endangered by smoke and noxious fumes, and where sensitive equipment may be damaged by acid forming gases.
(1) Conductor:	Tinned Stranded Annealed Copper Conductor to IEC60228
(2) Fire Protection:	(B) - Mica Glass Tape
(3) Insulation:	(F) - EPR Complying with IEC60092-351
(4) Bedding:	SHF2 dual Compound thermoset rubber - IEC60092-359 Type SHF2, PETP-tape.
(5) Armour:	(O) - Tinned Copper Wire Braid to NVE FEA-M 1238.5, PETP-tape.
(6) Outer Sheath:	(U) - SHF2 dual Compound thermoset rubber - IEC60092-359 Type SHF2, Dual rated as being Both halogen free and mud resistant in accordance with NEK606, and meets cold bend and Impact test (-20C) cross sectional area C22.2. <small>The legend will include the manufacturers name, voltage, NEK606, number of cores and cross sectional area, IEC60331 and NEK606 designation. The standard sheath colour for medium voltage is Red, but other colours are available on request.</small>
Conductor Identification:	<small>One core: Black Two cores: Blue - Brown Two cores + earth Blue - Brown - Yellow/green Three cores: Brown - Black - Grey Three cores + earth Brown - Black - Grey - Yellow/green Four cores: Blue - Brown - Black- Grey Four cores + earth Blue - Brown - Black- Grey - Yellow/green Five cores Blue - Brown - Black- Grey - Black Above 5-cores - Black numbers on white base.</small>

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Offshore Power & Control Cables to NEK 606 Specification

BFOU - Power / Control Cables – Single and Multicore armoured cables

Cable	1 x 25	1 x 35	1 x 50	1 x 70	1 x 95	1 x 120	1 x 150	1 x 185	1 x 240
Insulation Thickness mm	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Diameter over Inner Sheath (min/max) mm	17.4/19.4	18.5/20.5	19.8/21.8	21.5/23.7	23.3/25.7	24.8/27.4	26.7/29.5	28.5/31.5	31.0/34.2
Overall Diameter (min/max) mm	22.4/25.4	23.2/26.2	24.7/27.9	26.7/29.9	28.5/31.9	30.2/33.8	32.3/36.1	34.9/38.9	37.6/41.8
Gland Size	B	C	C	C	C	C2	C2	C2	D
Weight kg/km	1010	1140	1340	1630	1970	2290	2670	3240	3930
DC Resistance max @ 20°C - Ω/km	0.734	0.529	0.391	0.270	0.195	0.154	0.126	0.100	0.0762
Sheath Colour	Red	Red	Red	Red	Red	Red	Red	Red	Red

3.6 / 6kv
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Offshore Power & Control Cables to NEK 606 Specification

BFOU - Power / Control Cables – Single and Multicore armoured cables

Cable	1 x 300	3 x 25	3 x 35	3 x 50	3 x 70	3 x 95	3 x 120	3 x 150	3 x 185
Insulation Thickness mm	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Diameter over Inner Sheath (min/max) mm	33.7/37.3	35.6/39.4	38.3/42.3	40.9/45.3	44.6/49.4	48.9/54.1	52.2/57.6	55.5/61.3	59.3/65.5
Overall Diameter (min/max) mm	40.6/45.0	42.7/47.3	45.7/50.5	48.6/53.6	52.7/58.1	57.3/63.1	60.9/67.1	64.6/71.0	68.8/75.6
Gland Size	D	D	D	E	E	E	F	F	F
Weight kg/km	4750	3390	3980	4630	5670	6950	8090	9310	10890
DC Resistance max @ 20°C - Ω/km	0.0607	0.734	0.529	0.391	0.270	0.195	0.154	0.126	0.100
Sheath Colour	Red	Red	Red	Red	Red	Red	Red	Red	Red