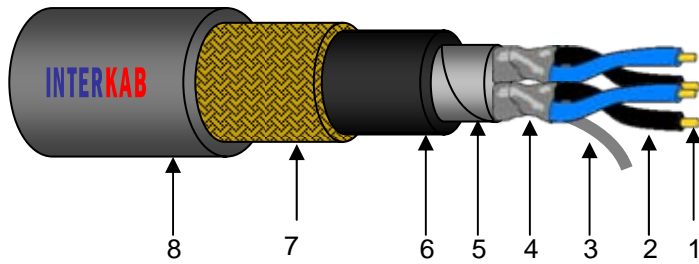


150 / 250v
Flame Retardant

Offshore Instrumentation Cables to NEK 606 Specification

RFOU(i) Pairs/Triples Armoured Cables – Individually Screened



Applicable Standards:
 NEK 606 / IEC 60092-3
 IEC 60092-351
 IEC 60332 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
Fire Protection:	None
(2) Insulation:	(R) - EPR Complying with IEC60092-351
(3) Drain Wire:	Tinned Copper drain wire
(4) Individual Screen:	Aluminium Mylar Tape Screen, PETP- tape.
(5) Collective Screen:	Aluminium Mylar Tape Screen, PETP-tape
(6) Bedding:	(F) SHF2 dual Compound thermoset rubber - IEC60092-359 Type SHF2, PETP-tape.
(7) Armour:	(O) - Tinned Copper Wire Braid to NVE FEA-M 1238.5, PETP-tape.
(8) 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 pairs/ triples and cross sectional area, IEC60332 and NEK606 designation. The standard sheath colours are grey, blue or black, but other colours are available on request.</small>
Conductor Identification:	Single Pair: Black/ Light Blue Triples: Black, Light Blue and Brown

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Cable	1x2x0.75	2x2x0.75	4x2x0.75	8x2x0.75	12x2x0.75	16x2x0.75	24x2x0.75	1x2x1.5	2x2x1.5	4x2x1.5	8x2x1.5	12x2x1.5	16x2x1.5	24x2x1.5
Stranding mm	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53
Insulation Thickness mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thickness of Inner Sheath mm	1.1	1.1	1.1	1.1	1.3	1.4	1.6	1.1	1.1	1.1	1.1	1.3	1.4	1.8
Diameter over Inner Sheath (min/max) mm	7.2/8.8	10.5/12.5	12.5/14.5	17.5/19.5	20.0/23.0	22.5/25.5	28.0/31.0	8.2/9.8	12.5/14.5	14.5/16.5	19.5/22.5	23.5/26.5	26.5/29.5	32.5/36.5
Diameter of Armour/Braid mm	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.4
Thickness of Outer Sheath mm	1.1	1.2	1.3	1.5	1.6	1.7	1.9	1.1	1.3	1.4	1.6	1.8	1.9	2.2
Overall Diameter (min/max) mm	10.0/12.0	14.0/16.0	16.5/18.5	21.0/24.0	24.5/27.5	27.0/30.0	33.0/37.0	11.0/13.0	16.0/18.0	18.5/20.5	24.0/27.0	28.0/32.0	31.0/35.0	38.0/43.0
Gland Size	O	O	A	B	C	C	C2	O	A	A	C	C	C2	D
Weight kg/km	200	330	470	790	1080	1330	1920	240	450	620	1070	1530	1860	2760
Bend Radius - xOD	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Short Circuit Rating, 1second - 250°C - A	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inductance/Resistance - mH/km	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Capacitance - nF/km	90	90	90	90	90	90	90	110	110	110	110	110	110	110
DC Resistance @ 20°C - Ohms/km	24.8	24.8	24.8	24.8	24.8	24.8	24.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue

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RFOU(i) Pairs/Triples Armoured Cables – Individually Screened

Cable	1x3x0.75	2x3x0.75	4x3x0.75	8x3x0.75	12x3x0.75	16x3x0.75	24x3x0.75	1x3x1.5	2x3x1.5	4x3x1.5	8x3x1.5	12x3x1.5	16x3x1.5	24x3x1.5
Stranding mm	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.37	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53
Insulation Thickness mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thickness of Inner Sheath mm	1.1	1.1	1.1	1.1	1.3	1.4	1.8	1.1	1.1	1.1	1.1	1.3	1.6	1.8
Diameter over Inner Sheath (min/max) mm	7.7/9.3	12.0/14.0	14.0/16.0	18.5/21.5	23.0/26.0	25.0/29.0	31.5/35.5	8.7/10.3	14.0/16.0	16.5/18.5	21.5/24.5	27.0/30.0	30.0/34.0	37.5/41.5
Diameter of Armour/Braid mm	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.4
Thickness of Outer Sheath mm	1.1	1.3	1.4	1.6	1.7	1.8	2.0	1.1	1.4	1.5	1.7	1.9	2.0	2.3
Overall Diameter (min/max) mm	10.5/12.5	15.5/17.5	18.0/20.0	23.0/26.0	27.5/30.5	30.0/34.0	37.5/41.5	12.0/14.0	18.0/20.0	20.0/23.0	26.5/29.5	31.5/35.5	35.5/39.5	43.5/48.5
Gland Size	O	A	A	B	C	C2	D	O	A	B	C	C2	C2	D
Weight kg/km	210	420	560	950	1350	1630	2550	300	550	780	1390	1970	2570	3790
Bend Radius - xOD	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Short Circuit Rating, 1second – 250°C - A	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inductance/Resistance – mH/km	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Capacitance – nF/km	90	90	90	90	90	90	90	110	110	110	110	110	110	110
DC Resistance @ 20°C – Ohms/km	24.8	24.8	24.8	24.8	24.8	24.8	24.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue