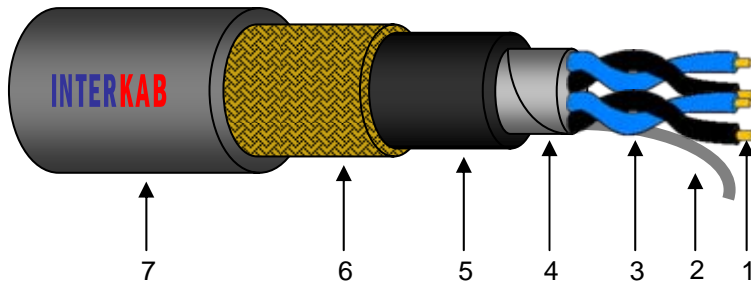


150 / 250v
Flame Retardant

Offshore Instrumentation Cables to NEK 606 Specification

RFOU(C) Pairs/Triples Armoured Cables – Collectively 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) Drain Wire:	Tinned Copper drain wire
(3) Insulation:	(R) EPR Complying with IEC60092-351
Individual Screen:	Collectively Screened Only
(4) Collective Screen:	Aluminium Mylar Tape Screen, PETP-tape
(5) Bedding:	(F) SHF2 dual Compound thermoset rubber - IEC60092-359 Type SHF2, PETP-tape
(6) Armour:	(O) - Tinned Copper Wire Braid to NVE FEA-M 1238.5, PETP-tape
(7) 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, IEC60332 and NEK606 designation. The standard sheath Colour is black, but other colours are available on request,</small>
Conductor Identification:	Single Pair: Black/ Light Blue Triples: Black/ Light Blue/ Brown

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Cable	2x2x0.75	4x2x0.75	8x2x0.75	12x2x0.75	16x2x0.75	24x2x0.75	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	7/0.53	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
Thickness of Inner Sheath mm	1.1	1.1	1.1	1.3	1.4	1.6	1.1	1.1	1.1	1.3	1.4	1.8
Diameter over Inner Sheath (min/max) mm	10.5/12.5	12.5/14.5	17.5/19.5	19.5/22.5	21.0/24.0	26.0/29.0	12.5/14.5	14.5/16.5	19.5/22.5	22.0/25.0	24.5/27.5	29.5/33.5
Diameter of Armour/Braid mm	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Thickness of Outer Sheath mm	1.2	1.3	1.4	1.5	1.6	1.8	1.3	1.4	1.6	1.7	1.8	2.1
Overall Diameter (min/max) mm	14.0/16.0	16.5/18.5	21.0/24.0	23.5/26.5	25.5/28.5	30.5/34.5	16.0/18.0	18.5/20.5	23.5/26.5	27.0/30.0	29.0/33.0	35.5/39.5
Gland Size	O	A	B	C	C	C2	A	A	C	C	C	C2
Weight kg/km	310	430	700	900	1080	1510	430	560	930	1260	1550	2230
Bend Radius - xOD	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
Short Circuit Rating, 1second – 250°C - A	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	0.68	0.68	0.68	0.68	0.68	0.68
Capacitance – nF/KM	80	80	80	80	80	80	90	90	90	90	90	90
DC Resistance @ 20°C – ohms/km	24.8	24.8	24.8	24.8	24.8	24.8	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

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Cable	2x3x0.75	4x3x0.75	8x3x0.75	12x3x0.75	16x3x0.75	24x3x0.75	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	7/0.53	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
Thickness of Inner Sheath mm	1.1	1.1	1.1	1.3	1.4	1.8	1.1	1.1	1.1	1.3	1.4	1.8
Diameter over Inner Sheath (min/max) mm	12.0/14.0	14.0/16.0	18.5/21.5	21.5/24.5	24.0/27.0	29.0/33.0	14.0/16.0	16.0/18.0	21.5/24.5	25.5/28.5	28.0/31.0	34.0/38.0
Diameter of Armour/Braid mm	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Thickness of Outer Sheath mm	1.3	1.3	1.5	1.6	1.7	2.0	1.4	1.4	1.7	1.8	1.9	2.2
Overall Diameter (min/max) mm	15.5/17.5	17.5/19.5	22.5/25.5	26.5/29.5	28.0/32.0	34.5/38.5	17.5/19.5	19.5/22.5	26.0/29.0	29.5/33.5	33.0/37.0	39.5/44.5
Gland Size	A	A	B	C	C	C2	A	B	C	C2	C2	D
Weight kg/km	410	530	860	1180	1430	2120	520	710	1230	1650	2050	3040
Bend Radius - xOD	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
Short Circuit Rating, 1second – 250°C - A	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	0.68	0.68	0.68	0.68	0.68	0.68
Capacitance – nF/KM	80	80	80	80	80	80	90	90	90	90	90	90
DC Resistance @ 20°C – Ohms/km	24.8	24.8	24.8	24.8	24.8	24.8	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