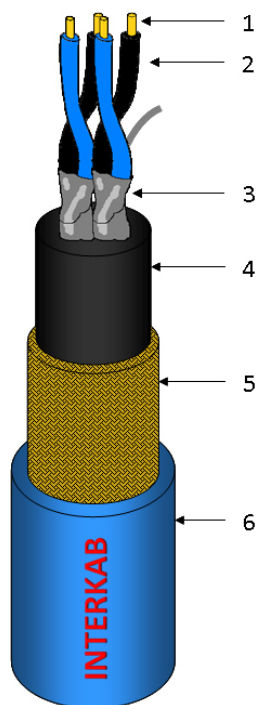


150/250V
Flame Retardant

Offshore Instrumentation Cables to NEK606 Specification

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



Note: picture is for illustration purposes only

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.

Conductor Identification

Single Pair: Black/ Light Blue
Triples: Black/ Light Blue/ Brown

Construction	Specifications
(1) Conductor:	Tinned Stranded Annealed Copper Conductor to IEC60228 Class 2 (Flexible Class 5 conductors available upon request)
(2) Insulation:	(R) EPR Complying with IEC60092-351
(3) Individual Screen:	Aluminium or Copper Mylar Tape Screen in contact with Tinned Copper drain wire
(4) Bedding:	(F) - Flame Retardant Halogen Free Compound, 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.

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Offshore Instrumentation Cables to NEK606 Specification

RFOU(i) Pairs/Triples Armoured Cables - Table 1/2

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

RFOU(i) Pairs/Triples Armoured Cables - Table 2/2

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	1.1	1.4	1.5	1.7	1.9	2	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