

# 150/250V NEK606 FLAME RETARDANT CABLE RFOU(i) INSTRUMENTATION CABLE



## CONDUCTOR

Tinned annealed stranded copper IEC 60228 class 2

## INSULATION

Halogen free EPR (Ethylene Propylene Rubber) compound

## INSULATION COLOR (CORE IDENTIFICATION)

Pairs: Black & Blue  
Triples: Black, Blue & Brown

## TWISTING

Two / Three insulated cores shall be twisted together to form a pair/triple

## SCREEN

ICM (individual copper mylar) and a TCWB (Tinned copper wire braid)

## OUTER SHEATH

Type: SHF2 MUD, thermoset dual compound, halogen free and mud resistant

## SHEATH COLOR

Blue or Grey

## VOLTAGE RATING

150/250V

## OPERATING TEMPERATURE

Max. 90°C, Cold bend -40°C / Cold impact -35°C

## STANDARDS

Design Guidelines : IEC 60092-376:2003  
Halogen Free Properties : IEC 60754-1  
Flame Retardant : IEC 60332  
Smoke Density : IEC 61034-1.2  
Mud Resistance : IEC 61892-4

NEK 606: offshore installation halogen-free or mud-resistant

## TYPE APPROVALS

ABS, DNV  
Meets the UV resistance requirements of UL1581 or HD605 part 2.5.12

## APPLICATION

Mud resistant cable for control, instrumentation and telecommunications. Mud resistant in accordance with NEK606

No. of Pairs / Triples x Nominal Cross Sectional Area	Conductor Diameter	Insulation Thickness	Diameter Under Armour	Overall Nominal Diameter	Min. Bending Radius	Net Weight Approx.	Max Conductor Resistance at 20°C
n x 2 (or 3) x mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	Ω /km
1 x 2 x 0.75	1.1	0.6	8.1	12.0	48	228	26.3000
2 x 2 x 0.75	1.1	0.6	11.9	16.0	64	408	26.3000
4 x 2 x 0.75	1.1	0.6	13.8	18.0	72	551	26.3000
8 x 2 x 0.75	1.1	0.6	17.5	22.8	91	765	26.3000
12 x 2 x 0.75	1.1	0.6	20.9	26.6	107	1035	26.3000
16 x 2 x 0.75	1.1	0.6	24.1	30.3	121	1374	26.3000
24 x 2 x 0.75	1.1	0.6	28.8	35.4	141	1850	26.3000

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n x 2 (or 3) x mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	Ω /km
1 x 2 x 1.50	1.6	0.7	9.20	13.0	52	277	12.9000
2 x 2 x 1.50	1.6	0.7	13.8	18.0	72	525	12.9000
4 x 2 x 1.50	1.6	0.7	16.0	21.1	85	759	12.9000
8 x 2 x 1.50	1.6	0.7	20.6	26.3	105	1018	12.9000
12 x 2 x 1.50	1.6	0.7	25.0	31.2	125	1452	12.9000
16 x 2 x 1.50	1.6	0.7	28.4	35.0	140	1846	12.9000
24 x 2 x 1.50	1.6	0.7	34.4	41.7	167	2584	12.9000
1 x 3 x 0.75	1.1	0.6	8.5	12.3	49	248	26.300
2 x 3 x 0.75	1.1	0.6	13.0	17.2	69	477	26.300
4 x 3 x 0.75	1.1	0.6	15.1	20.2	81	684	26.300
7 x 3 x 0.75	1.1	0.6	18.8	24.2	97	854	26.300
8 x 3 x 0.75	1.1	0.6	20.1	25.7	103	954	26.300
12 x 3 x 0.75	1.1	0.6	23.6	29.8	119	1322	26.300
16 x 3 x 0.75	1.1	0.6	27.2	33.6	134	1710	26.300
1 x 3 x 1.50	1.6	0.7	9.7	13.5	54	306	12.9000
2 x 3 x 1.50	1.6	0.7	15.1	20.0	80	648	12.9000
4 x 3 x 1.50	1.6	0.7	17.6	22.7	91	895	12.9000
7 x 3 x 1.50	1.6	0.7	22.1	27.7	111	1146	12.9000
8 x 3 x 1.50	1.6	0.7	23.7	29.7	119	1318	12.9000
12 x 3 x 1.50	1.6	0.7	28.3	34.9	139	1862	12.9000
16 x 3 x 1.50	1.6	0.7	32.2	39.0	156	2355	12.9000