

150/250V NEK606 FIRE RESISTANT CABLE BFOU(i) INSTRUMENTATION CABLE



CONDUCTOR

Tinned annealed stranded copper IEC 60228 class 2

INSULATION

MGT (Mica glass tape), 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
Fire Resistance : IEC 60331
Smoke Density : IEC 61034-1.2

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

Fixed installation for instrumentation, communication, control, alarm, emergency and critical systems in both EX and safe areas. 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 ²	No./mm	mm	mm	mm	mm	kg/km	Ω /km
1 x 2 x 0.75	1.1	0.6	9.1	13.0	52	259	26.3000
2 x 2 x 0.75	1.1	0.6	13.7	17.7	71	479	26.3000
4 x 2 x 0.75	1.1	0.6	15.9	20.5	82	655	26.3000
8 x 2 x 0.75	1.1	0.6	20.3	25.7	102	860	26.3000
12 x 2 x 0.75	1.1	0.6	24.3	30.1	120	1165	26.3000
16 x 2 x 0.75	1.1	0.6	28.1	34.3	137	1550	26.3000
19 x 2 x 0.75	1.1	0.6	30.3	36.7	147	1740	26.3000
24 x 2 x 0.75	1.1	0.6	33.6	40.3	161	2075	26.3000

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n x 2 (or 3) x mm ²	No./mm	mm	mm	mm	mm	kg/km	Ω/km
1 x 2 x 1.50	1.6	0.7	10.02	14.1	56	310	12.9000
2 x 2 x 1.50	1.6	0.7	15.5	20.2	81	616	12.9000
4 x 2 x 1.50	1.6	0.7	18.1	23.1	92	861	12.9000
8 x 2 x 1.50	1.6	0.7	23.4	29.1	116	1117	12.9000
12 x 2 x 1.50	1.6	0.7	28.4	34.6	139	1593	12.9000
16 x 2 x 1.50	1.6	0.7	32.3	39.0	156	2030	12.9000
19 x 2 x 1.50	1.6	0.7	35.0	41.6	166	2261	12.9000
24 x 2 x 1.50	1.6	0.7	39.3	46.5	186	2830	12.9000
1 x 3 x 0.75	1.1	0.6	9.6	13.5	54	281	26.300
2 x 3 x 0.75	1.1	0.6	15.0	19.6	78	574	26.300
4 x 3 x 0.75	1.1	0.6	17.4	22.5	90	795	26.300
8 x 3 x 0.75	1.1	0.6	23.5	29.0	116	1075	26.300
12 x 3 x 0.75	1.1	0.6	27.6	33.8	135	1491	26.300
16 x 3 x 0.75	1.1	0.6	31.8	38.2	153	1933	26.300
1 x 3 x 1.50	1.6	0.7	10.8	14.6	59	341	12.9000
2 x 3 x 1.50	1.6	0.7	17.1	21.9	88	742	12.9000
4 x 3 x 1.50	1.6	0.7	20.0	25.1	100	1015	12.9000
8 x 3 x 1.50	1.6	0.7	27.0	33.0	123	1450	12.9000
12 x 3 x 1.50	1.6	0.7	32.3	38.9	132	2044	12.9000
16 x 3 x 1.50	1.6	0.7	36.7	43.6	156	2932	12.9000