

600/1000V NEK606 FIRE RESISTANT CABLE BFOU POWER CABLE



CONDUCTOR

Tinned flexible compacted copper IEC 60228 class 2

INSULATION

MGT (Mica glass tape), halogen free EPR (Ethylene Propylene Rubber) compound

INSULATION COLOR

- 1 core - off white (Grey)
- 2 core - off white (Grey), black
- 3 core - off white (Grey), black, red
- 4 core - off white (Grey), black, red, blue
- 5 cores and above - white numbered

INSULATION COLOR (GREEN/YELLOW)

- 3 core – Blue, Brown, Green/Yellow
- 4 core – Black, Brown, Grey, Green/Yellow
- 5 core – Black, Brown, Grey, Blue, Green/Yellow

SCREEN

TCWB (Tinned copper wire braid)

OUTER SHEATH

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

SHEATH COLOR

Black or Grey

VOLTAGE RATING

600/1000V

OPERATING TEMPERATURE

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

STANDARDS

Design Guidelines	: IEC 60092-353, IEC60092-375
Halogen Free Properties	: IEC 60754-1, 2
Flame Retardant	: IEC60332-3-22 IEC 60332-1
Fire Resistance	: IEC60331-21
Smoke Density	: IEC 61034-1, 2
Mud Resistance	: IEC 61892-4
Corrosivity	: IEC 60754-1 IEC 60754-2

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

TYPE APPROVALS

ABS, DNV and Lloyds Register of Shipping
Meets the UV resistance requirements of UL1581 or HD605 part 2.5.12

APPLICATION

Halogen-free or mud-resistant cable for offshore installation, fixed installation for power, control and lighting, in both EX and safe areas, emergency and critical systems. Mud resistant in accordance with NEK 606.

No. of Cores x Nominal Cross Sectional Area	Conductor Diameter	Insulation Thickness	Diameter Under Armour	Overall Nominal Diameter	Current Rating as 45°C	Net Weight Approx.	Max Conductor Resistance at 20°C
n x mm ²	No./mm	mm	mm	mm	mm	kg/km	Ω /km
1 x 16.0	4.8	1.0	10.8	15.0	93	437	1.1600
1 x 25.0	6.3	1.2	12.4	17.2	117	597	0.7340
1 x 35.0	7.1	1.2	13.5	18.5	147	730	0.5290
1 x 50.0	8.3	1.4	14.9	20.3	180	927	0.3910
1 x 70.0	10.0	1.4	17.0	22.6	283	1187	0.2700
1 x 95.0	11.7	1.6	18.6	24.4	285	1487	0.1950
1 x 120.0	13.0	1.6	20.0	26.0	333	1773	0.1540
1 x 150.0	14.3	1.8	21.9	28.1	386	2139	0.1260
1 x 185.0	16.3	2.0	24.0	30.4	444	2563	0.1000
1 x 240.0	18.7	2.2	27.1	33.7	528	3232	0.0762
1 x 300.0	21.7	2.4	29.8	36.6	612	3921	0.0607

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n x mm ²	No./mm	mm	mm	mm	mm	kg/km	Ω /km
2 x 1.5	1.6	1.0	11.2	15.5	23	353	12.200
2 x 2.5	2.0	1.0	12.3	16.5	31	411	7.5600
2 x 4.0	2.6	1.0	13.9	18.1	43	501	4.7000
2 x 6.0	3.2	1.0	14.9	19.3	55	589	3.1100
2 x 10.0	3.8	1.0	16.3	21.6	75	794	1.8400
2 x 16.0	4.8	1.0	18.5	24.3	100	1037	1.1600
3(G) x 1.5	1.6	1.0	11.9	16.1	20	389	12.200
3(G) x 2.5	2.0	1.0	13.0	17.2	28	458	7.5600
3(G) x 4.0	2.6	1.0	14.7	19.0	37	565	4.7000
3(G) x 6.0	3.2	1.0	15.8	20.7	47	685	3.1100
3(G) x 10.0	3.8	1.0	17.3	22.6	65	930	1.8400
3(G) x 16.0	4.8	1.0	19.7	25.5	87	1236	1.1600
3(G) x 25.0	6.3	1.2	23.4	29.2	110	1706	0.7340
3(G) x 35.0	7.1	1.2	25.8	32.0	137	2149	0.5290
3 x 50.0	8.3	1.4	29.0	36.0	167	2872	0.3910
3 x 70.0	10.0	1.4	33.5	41.1	214	3816	0.2700
3 x 95.0	11.7	1.6	36.8	45.3	259	4940	0.1950
3 x 120.0	13.0	1.6	40.3	49.5	301	6039	0.1540
3 x 150.0	14.3	1.8	44.7	55.1	347	7641	0.1260
3 x 185.0	16.3	2.0	49.2	61.2	397	9517	0.1000
3 x 240.0	18.7	2.2	55.5	68.2	468	11999	0.0762
4(G) x 1.5	1.6	1.0	12.9	17.1	20	442	12.200
4(G) x 2.5	2.0	1.0	14.1	18.4	28	526	7.5600
4(G) x 4.0	2.6	1.0	16.1	20.7	37	680	4.7000
4(G) x 6.0	3.2	1.0	17.3	22.1	47	814	3.1100
4(G) x 10.0	3.8	1.0	18.9	24.3	65	1092	1.8400
4(G) x 16.0	4.8	1.0	21.6	27.5	87	1468	1.1600
4 x 25.0	6.3	1.2	25.7	31.5	110	2045	0.7340
4(G) x 35.0	7.1	1.2	28.3	34.6	137	2596	0.5290
4(G) x 50.0	8.3	1.4	31.9	38.9	167	3489	0.3910
4 x 70.0	10.0	1.4	37.0	44.6	214	4653	0.2700
4 x 95.0	11.7	1.6	40.7	49.2	259	6054	0.1950
4 x 120.0	13.0	1.6	44.5	53.7	301	7415	0.1540
5 x 1.5	1.59	1.0	13.5	18.0	12	490	-
5G x 2.5	2.5	1.0	14.7	19.8	17	630	-
5G x 4.0	3.3	1.0	16.6	22.0	28	800	-
5G x 6.0	4.0	1.0	18.5	23.0	36	891	-
5G x 10.0	4.5	1.0	20.5	25.0	50	1174	-
5G x 16.0	5.5	1.0	23.0	29.0	67	1583	-
5G x 25.0	7.0	1.2	28.0	34.4	89	2330	-
5 x 50.0	-	-	36.5	42.5	137	4100	-
5G x 70.0	10.7	1.4	40.0	47.5	169	5270	-
5 x 95.0	-	-	46.0	54.0	205	7700	-
7 x 1.5	1.6	1.0	15.5	20.2	11	606	12.200
7 x 2.5	2.0	1.0	16.8	21.4	15	720	7.5600
12 x 1.5	1.6	1.0	20.3	25.9	9	1028	12.200
12 x 2.5	2.0	1.0	22.1	27.7	13	1236	7.5600
19 x 1.5	1.6	1.0	23.8	29.6	8	1356	12.200
19 x 2.5	2.0	1.0	26.1	31.9	11	1670	7.5600
27 x 1.5	1.6	1.0	28.7	34.9	7	1885	12.200
27 x 2.5	2.0	1.0	31.5	37.8	9	2332	7.5600
37 x 1.5	1.6	1.0	32.4	39.0	6	2357	12.200
37 x 2.5	2.0	1.0	35.5	42.2	9	2935	7.5600

Note:

(G) - standard insulation type and green/yellow option type available
G - only green/yellow insulation option type available