

BFOU Power Cable Fire Resistant 600/1000V NEK606

Tinned stranded compacted copper conductor IEC60228 class 2, mica tape and halogen free EPR compound insulation, halogen free SHF mud resistant compound bedding, tinned copper wire braid to IEC60092-352, SHF thermoset compound halogen free and mud resistant low temperature (-40°C) sheath.

Application: Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2)- and safe areas, emergency and critical systems where requirement for fire resistance exists and when installed with the correct ATEX Approved Accessories/Equipment. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the MUD resistance requirement in NEK TS 606:2009.

Conductors: Tinned flexible compacted copper IE 60228 class 2

Core Colours (standard):
 1 core – off white (Grey)
 2 cores – off white (Grey) and black
 3 cores – off white(Grey), black and red
 4 cores – off white(Grey), black, red and blue
 5 cores and above white numbered

Core Colours (Green and Yellow):
 3 core – Blue, Brown, Green/Yellow
 4 core – Black, Brown, Grey, Green / Yellow
 5 core – Black, Brown, Grey, Blue, Green / Yellow

Sheath / Jacket Type – SHF2 MUD thermoset dual compound, halogen free and mud resistant

Colour – Black

Insulation: Glass braid over mica tape and halogen free HEPR compound

Standards:
 IEC 60092-353 design guidelines
 IEC 60754-1, 2 halogen free properties
 IEC60332-3-22 IEC 60332-1 flame retardant
 IEC60331-21 Fire resistance
 IEC 61034-1, 2 smoke density
 IEC 61892-4 mud resistance
 IEC 60754-1 IEC 60754-2 corrosivity

Operating voltage: 0.6/1kV

Operating temperature: 90°C, Cold bend -40°C / Cold impact -35°C

Min bending radius: 6 x O/D

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



No of cores conductor area sqmm	Conductor diameter mm	Insulation thickness mm	Diameter under armour mm	Nominal diameter overall mm	Current rating as 45°C	Weight kg/km	BATT Part number - standard	BATT Part number - Green and Yellow
1 x 16	4.8	1.0	10.8	15	93	437	67983	-
1 x 25	6.3	1.2	12.4	17.2	117	597	-	-
1 x 35	7.1	1.2	13.5	18.5	147	730	-	-
1 x 50	8.3	1.4	14.9	20.3	180	927	67820	-
1 x 70	10.0	1.4	17.0	22.6	283	1187	67083	-
1 x 95	11.7	1.6	18.6	24.4	285	1487	67844	-
1 x 120	13.0	1.6	20.0	26.0	333	1773	67088	-
1 x 150	14.3	1.8	21.9	28.1	386	2139	67093	-
1 x 185	16.3	2.0	24.0	30.4	444	2563	67854	-
1 x 240	18.7	2.2	27.1	33.7	528	3232	67919	-
1 x 300	21.7	2.4	29.8	36.6	612	3921	67414	-
2 x 1.5	1.6	1.0	11.2	15.5	23	353	67752	-

No of cores conductor area sqmm	Conductor diameter mm	Insulation thickness mm	Diameter under armour mm	Nominal diameter overall mm	Current rating as 45°C	Weight kg/km	BATT Part number - standard	BATT Part number - Green and Yellow
2 x 2.5	2.0	1.0	12.3	16.5	31	411	67751	-
2 x 4	2.6	1.0	13.9	18.1	43	501	67412	-
2 x 6	3.2	1.0	14.9	19.3	55	589	67864	-
2 x 10	3.8	1.0	16.3	21.6	75	794	67996	-
2 x 16	4.8	1.0	18.5	24.3	100	1037	67425	-
3 x 1.5	1.6	1.0	11.9	16.1	20	389	67236	68417
3 x 2.5	2.0	1.0	13.0	17.2	28	458	67220	67182
3 x 4	2.6	1.0	14.7	19.0	37	565	67444	68389
3 x 6	3.2	1.0	15.8	20.7	47	685	67422	68434
3 x 10	3.8	1.0	17.3	22.6	65	930	67672	68399
3 x 16	4.8	1.0	19.7	25.5	87	1236	67838	68433
3 x 25	6.3	1.2	23.4	29.2	110	1706	67274	68438
3 x 35	7.1	1.2	25.8	32.0	137	2149	67773	68407
3 x 50	8.3	1.4	29.0	36.0	167	2872	67922	-
3 x 70	10.0	1.4	33.5	41.1	214	3816	67957	-
3 x 95	11.7	1.6	36.8	45.3	259	4940	67916	-
3 x 120	13.0	1.6	40.3	49.5	301	6039	68324	-
3 x 150	14.3	1.8	44.7	55.1	347	7641	-	-
3 x 185	16.3	2.0	49.2	61.2	397	9517	67999	-
3 x 240	18.7	2.2	55.5	68.2	468	11999	-	-
4 x 1.5	1.6	1.0	12.9	17.1	20	442	67760	67144
4 x 2.5	2.0	1.0	14.1	18.4	28	526	67750	67263
4 x 4	2.6	1.0	16.1	20.7	37	680	67784	67050
4 x 6	3.2	1.0	17.3	22.1	47	814	67264	67291
4 x 10	3.8	1.0	18.9	24.3	65	1092	67828	67162
4 x 16	4.8	1.0	21.6	27.5	87	1468	67799	67044
4 x 25	6.3	1.2	25.7	31.5	110	2045	67858	-
4 x 35	7.1	1.2	28.3	34.6	137	2596	67559	68440
4 x 50	8.3	1.4	31.9	38.9	167	3489	67917	68384
4 x 70	10.0	1.4	37.0	44.6	214	4653	67898	-
4 x 95	11.7	1.6	40.7	49.2	259	6054	67771	-
4 x 120	13.0	1.6	44.5	53.7	301	7415	67289	-
5 x 1.5	1.59	1.0	13.5	18.0	12	490	68388	68461
5 x 2.5	2.5	1.0	14.7	19.8	17	630	-	68360
5 x 4	3.3	1.0	16.6	22.0	28	800	-	68390
5 x 6	4.0	1.0	18.5	23.0	36	891	-	68391
5 x 10	4.5	1.0	20.5	25.0	50	1174	-	68392
5 x 16	5.5	1.0	23.0	29.0	67	1583	-	68358
5x25	7.0	1.2	28.0	34.0	89	2330	-	68357
5 x 50	-	-	36.5	42.5	137	4100	-	-
5 x 70	10.7	1.4	40.0	47.5	169	5270	-	68415
5 x 95	-	-	46.0	54.0	205	7700	-	-
7 x 1.5	1.6	1.0	15.5	20.2	11	606	67258	-
7 x 2.5	2.0	1.0	16.8	21.4	15	720	67759	-
12 x 1.5	1.6	1.0	20.3	25.9	9	1028	67772	-
12 x 2.5	2.0	1.0	22.1	27.7	13	1236	67837	-
19 x 1.5	1.6	1.0	23.8	29.6	8	1356	67845	-
19 x 2.5	2.0	1.0	26.1	31.9	11	1670	67095	-
27 x 1.5	1.6	1.0	28.7	34.9	7	1885	67888	-
27 x 2.5	2.0	1.0	31.5	37.8	9	2332	67102	-
37 x 1.5	1.6	1.0	32.4	39.0	6	2357	-	-
37 x 2.5	2.0	1.0	35.5	42.2	9	2935	67891	-