

RFOU Power cable 0.6/1kV ZH mud resistant, P1/P8 NEK606 IEC60092-353

Tinned stranded copper conductor IEC60228 class 2, halogen free HEPR 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).

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 annealed stranded copper
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: Halogen free EPR (Ethylene Propylene Rubber)

Screen: TCWB (Tinned copper wire braid)

Standards: IEC 60092-353 design guidelines
 IEC 60754-1, 2 halogen free properties
 IEC60332-3/A flame retardant
 IEC 61034-1, 2 smoke density

Operating voltage: 0.6/1kV

Operating Maximum 90°C

temperature: Cold bend -40°C / Cold impact -35°C

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 2.5	2.2	1.00	6	9.7	30	170	67761	-
1 x 6	3.2	1.00	7	10.5	58	193	67841	-
1 x 16	4.8	1.0	10.1	11.2	93	385	67835	-
1 x 25	6.3	1.2	11.7	13.3	117	573	67762	-
1 x 35	7.1	1.2	13.0	14.6	147	713	67938	-
1 x 50	8.3	1.4	14.3	15.9	180	896	67763	-
1 x 70	10.0	1.4	16.2	17.8	283	1160	67764	-
1 x 95	11.7	1.6	18.5	20.1	285	1484	67765	-
1 x 120	13.0	1.6	19.6	21.2	333	1758	67800	-
1 x 150	14.3	1.8	21.4	23	386	2119	67766	-



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 185	16.3	2.0	23.9	25.5	444	2558	67005	-
1 x 240	18.7	2.2	27.3	33.7	528	3240	67277	-
1 x 300	21.7	2.4	30.7	35	612	4050	67283	-
2 x 1.5	1.6	1.0	10.2	14.4	23	317	67914	-
2 x 2.5	2.0	1.0	11.2	15.5	31	373	67202	-
2 x 4	2.6	1.0	12.8	17.1	43	460	67204	-
2 x 6	3.2	1.0	13.8	18.3	55	546	67411	-
2 x 10	3.8	1.0	14.8	20.2	75	724	67024	-
2 x 16	4.8	1.0	16.9	22.7	100	957	67867	-
3 x 1.5	1.6	1.0	10.8	15	20	349	67080	68346
3 x 2.5	2.0	1.0	11.9	16.1	28	417	67092	68347
3 x 4	2.6	1.0	13.6	17.8	37	521	67101	68348
3 x 6	3.2	1.0	14.7	19.1	47	627	67107	68349
3 x 10	3.8	1.0	15.8	21.1	65	857	67117	-
3 x 16	4.8	1.0	18	23.6	87	1148	67811	68376
3 x 25	6.3	1.2	21.7	27.6	110	1609	67821	68377
3 x 35	7.1	1.2	24.6	30.9	137	2079	67817	68398
3 x 50	8.3	1.4	27.6	34.6	167	2780	67818	-
3 x 70	10.0	1.4	31.8	39.4	214	3684	67814	68375
3 x 95	11.7	1.6	36.7	45.2	259	4929	67756	-
3 x 120	13.0	1.6	39.4	48.5	301	5954	67847	-
3 x 150	14.3	1.8	43.6	54	347	7526	67028	-
3 x 185	16.3	2.0	49	61	397	9487	67011	-
3 x 240	18.7	2.2	55.8	68.5	468	12050	68322	-
4 x 1.5	1.6	1.0	11.7	15.9	20	397	67124	68350
4 x 2.5	2.0	1.0	12.9	17.1	28	479	67129	68351
4 x 4	2.6	1.0	14.8	19	37	616	67131	68352
4 x 6	3.2	1.0	16	20.9	47	761	67151	68353
4 x 10	3.8	1.0	17.2	22.5	65	1009	67822	68409
4 x 16	4.8	1.0	19.7	25.6	87	1370	67823	68410
4 x 25	6.3	1.2	23.8	29.7	110	1938	67897	68403
4 x 35	7.1	1.2	27.1	33.3	137	2520	67915	68382
4 x 50	8.3	1.4	30.4	37.4	167	3387	67534	-
4 x 70	10.0	1.4	35	42.6	214	4506	67035	-
4 x 95	11.7	1.6	40.5	49	259	6042	67899	68383
4 x 120	13.0	1.6	43.5	52.6	301	7324	67029	68374
5 x 1.5	1.6	1.0	13.0	16.5	20	496	-	68361
5 x 2.5	2.0	1.0	14.0	18.5	28	598	-	68362
5 x 4	2.6	1.0	16.0	21.5	37	766	-	68364
5 x 6	3.2	1.0	18	23.5	47	941	-	68354
5 x 70	10	1.4	38	46.5	214	5332	-	68404
7 x 1.5	1.6	1.0	14	18.2	11	370	67153	68363
7 x 2.5	2.0	1.0	15.3	19.9	15	657	67901	-
12 x 1.5	1.6	1.0	18.2	23.6	9	545	67936	-
12 x 2.5	2.0	1.0	19.9	25.5	13	1115	-	-
19 x 1.5	1.6	1.0	21.2	27	8	743	67758	-
19 x 2.5	2.0	1.0	23.5	29.3	11	1516	-	-
27 x 2.5	2.0	1.0	28.4	34.6	9	2107	-	-
37 x 1.5	1.6	1.0	25.6	31.8	6	1291	67989	-
37 x 2.5	2.0	1.0	31.9	38.6	9	2662	-	-

