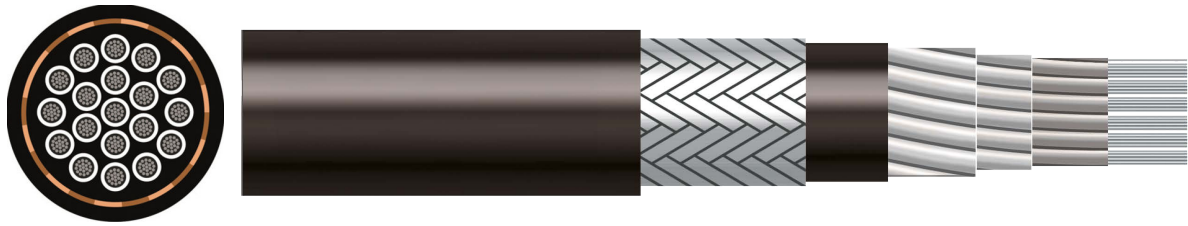





RFOU POWER CABLE 0.6/1KV ZH MUD RESISTANT



NEK606 RFOU is a high-performance offshore cable engineered for rigorous applications where safety and reliability are paramount. RFOU is flame-retardant, and halogen-free, ensuring compliance with strict safety standards for fixed installations in demanding offshore environments. Engineered to withstand harsh offshore conditions, including exposure to drilling mud, moisture, and oil, it guarantees long-term durability in challenging environments.

CONDUCTOR	Tinned Copper
STRANDING	Class 2
INSULATION	EPR
BEDDING	LSZH
ARMOUR	Tinned Copper Wire Braid
OUTERSHEATH	SHF2
OUTERSHEATH COLOUR	Black
RATED VOLTAGE	0.6/1kV
CORE IDENTIFICATION	<p>1 core: off-white 2 cores: off-white and black 3 cores: off-white, black and red 4 cores: off-white, black, red and blue 5 cores and above: white and numbered</p> <p>with a green/yellow core: 3 cores: blue, brown, G/Y 4 cores: black, brown, grey, G/Y 5 cores: black, brown, grey, blue, G/Y</p>
OPERATING TEMPERATURE	90 deg. C
STANDARDS	NEK 606, IEC60092-353, IEC60754-1/2, IEC60332-3-22, IEC61034-1,2, CSA C 22.2, EN 60079-14:2013 clause 9.3.2a
APPROVALS	  

SPECIFICATION DATA

BATT Part No - Standard cores	BATT Part No - G/Y cores	No of Cores conductors area sqmm	Conductor diameter mm	Insulation thickness mm	Diameter under armour mm	Nominal overall diameter mm	Current rating as 45degC	Weight
67761	-	1x2.5	2.2	1.00	6	9.7	30	170
67841	-	1x6	3.2	1.00	7	10.5	58	193
67835	-	1x16	4.8	1.00	10.1	11.2	93	385
67762	-	1x25	6.3	1.2	11.7	13.3	117	573
67938	-	1x35	7.1	1.2	13.0	14.6	147	713
67763	-	1x50	8.3	1.4	14.3	15.9	180	896
67764	-	1x70	10.0	1.4	16.2	17.8	283	1160
67765	-	1x95	11.7	1.6	18.5	20.1	285	1484
67800	-	1x120	13.0	1.6	19.6	21.2	333	1758
67766	-	1x150	14.3	1.8	21.4	23	386	2119
67005	-	1x185	16.3	2.0	23.9	25.5	444	2558
67277	-	1x240	18.7	2.2	27.3	33.7	528	3240
67283	-	1x300	21.7	2.4	30.7	35	612	4050

Electrical data

No of Pairs conductor area sqmm	Conductor resistance OHM/KM 20degC	Conductor resistance OHM/KM 90degC	Reactance OHM/KM 50Hz	Reactance OHM/KM 60Hz	Capacitance	Inductance	Max current rating at 45deg AMPS	Short circuit rating 1 sec kA	Impedance OHM/KM 20degC 50Hz	Impedance OHM/KM 20degC 60Hz	Impedance OHM/KM 90degC 50Hz	Impedance OHM/KM 90degC 60Hz
1x16	1.16	1.48	0.098	0.117	0.453	311	93	2.33	1.16	1.17	1.48	1.49
1x25	0.734	0.937	0.093	0.112	0.451	298	120	3.65	0.739	0.742	0.942	0.944
1x35	0.529	0.675	0.0912	0.110	0.519	293	145	5.11	0.537	0.540	0.618	0.684
1x50	0.391	0.499	0.090	0.108	0.548	286	180	7.30	0.401	0.406	0.507	0.511
1x70	0.270	0.344	0.088	0.105	0.595	278	232	10.20	0.284	0.290	0.355	0.360
1x95	0.195	0.249	0.085	0.102	0.718	270	285	13.90	0.213	0.220	0.263	0.269
1x120	0.154	0.196	0.084	0.101	0.738	269	332	17.50	0.175	0.184	0.213	0.220
1x150	0.126	0.161	0.088	0.105	0.683	278	385	21.9	0.154	0.164	0.183	0.192
1x185	0.100	0.128	0.085	0.102	0.689	269	445	27.00	0.131	0.143	0.154	0.164
1x240	0.0762	0.0972	0.083	0.099	0.719	262	530	35.00	0.113	0.125	0.128	0.139
1x300	0.0607	0.075	0.084	0.101	0.884	269	610	43.80	0.102	0.118	0.114	0.127
2x1.5	12.2	15.57	0.101	0.121	0.151	321	23	0.21	12.2	12.2	15.57	15.57
2x2.5	7.56	9.65	0.094	0.113	0.185	300	31	0.35	7.56	7.56	9.65	9.65
2x4	4.70	5.99	0.089	0.107	0.205	283	43	0.58	4.70	4.70	5.99	5.99
2x6	3.11	3.97	0.084	0.101	0.231	268	55	0.87	3.11	3.11	3.97	3.97
2x10	1.84	2.35	0.081	0.097	0.254	257	77	1.46	1.84	1.84	2.35	2.35
2x16	1.16	1.48	0.077	0.092	0.285	245	102	2.33	1.16	1.16	1.48	1.48
3x1.5	12.2	15.57	0.103	0.124	0.152	329	20	0.21	12.2	12.2	15.57	15.57
3x2.5	7.56	9.65	0.096	0.115	0.177	305	29	0.35	7.56	7.56	9.65	9.65
3x4	4.70	5.99	0.091	0.109	0.195	289	37	0.58	4.70	4.70	5.99	5.99
3x6	3.11	3.97	0.085	0.102	0.234	271	48	0.87	3.11	3.11	3.97	3.97
3x10	1.84	2.35	0.080	0.096	0.258	255	65	1.46	1.84	1.84	2.35	2.35
3x16	1.16	1.48	0.078	0.0934	0.291	248	87	2.33	1.16	1.16	1.48	1.48

3x25	0.734	0.937	0.076	0.0914	0.304	242	110	3.65	0.738	0.740	0.940	0.941
3x35	0.529	0.675	0.073	0.0876	0.318	232	136	5.11	0.534	0.536	0.679	0.680
3x50	0.391	0.499	0.072	0.0864	0.329	229	167	7.30	0.398	0.400	0.504	0.506
3x70	0.270	0.344	0.071	0.0852	0.341	226	215	10.20	0.279	0.283	0.351	0.354
3x95	0.195	0.246	0.070	0.0844	0.349	225	258	13.90	0.207	0.212	0.259	0.263
3x120	0.154	0.196	0.070	0.0836	0.370	222	300	17.50	0.160	0.175	0.208	0.213
3x150	0.126	0.161	0.069	0.0831	0.390	221	350	21.9	0.144	0.151	0.175	0.181
3x185	0.100	0.128	0.069	0.828	0.394	220	395	27.00	0.121	0.130	0.145	0.153
3x240	0.0762	0.0972	0.068	0.0822	0.406	218	467	35.00	0.102	0.112	0.119	0.127
4x1.5	12.2	15.57	0.110	0.132	0.132	350	20	0.21	12.2	12.2	15.57	15.57
4x2.5	7.56	9.65	0.130	0.123	0.123	325	29	0.35	7.56	7.56	9.65	9.65
4x4	4.70	5.99	0.097	0.116	0.116	308	37	0.58	4.70	4.70	5.99	5.99
4x6	3.11	3.97	0.091	0.109	0.109	289	48	0.87	3.11	3.11	3.97	3.997
4x10	1.84	2.35	0.086	0.103	0.103	273	65	1.46	1.84	1.84	2.35	2.35
4x16	1.16	1.48	0.083	0.100	0.100	265	87	2.33	1.16	1.16	1.48	1.48
4x25	0.734	0.937	0.082	0.098	0.098	259	110	3.65	0.739	0.741	0.941	0.942
4x35	0.529	0.675	0.078	0.094	0.094	248	136	5.11	0.535	0.537	0.679	0.682
4x50	0.391	0.499	0.077	0.092	0.092	245	167	7.30	0.399	0.402	0.505	0.507
4x70	0.270	0.344	0.076	0.091	0.091	242	215	10.20	0.280	0.285	0.352	0.356
4x95	0.195	0.249	0.076	0.091	0.091	241	258	13.90	0.209	0.215	0.260	0.265
4x120	0.154	0.196	0.075	0.090	0.090	238	300	17.50	0.171	0.178	0.210	0.216
7x1.5	12.2	15.57	0.126	0.151	0.157	400	11	0.21	12.2	12.2	15.57	15.57
12x1.5	12.2	15.57	0.145	0.174	0.102	461	9	0.21	12.2	12.2	15.57	15.57
19x1.5	12.1	15.57	0.157	0.188	0.085	499	8	0.21	12.2	12.2	15.57	15.57
37x1.5	12.2	15.57	0.177	0.212	0.068	562	6	0.21	12.2	12.2	15.57	15.57
7x2.5	7.56	9.65	0.120	0.144	0.172	382	15	0.36	7.56	7.56	9.65	9.65
12x2.5	7.56	9.65	0.139	0.167	0.107	443	12	0.36	7.56	7.56	9.65	9.65
19x2.5	7.56	9.65	0.151	0.181	0.090	480	11	0.36	7.56	7.56	9.65	9.65
27x2.5	7.56	9.65	0.159	0.195	0.084	517	9	0.36	7.56	7.56	9.65	9.65
37x2.5	7.56	9.65	0.171	0.205	0.071	543	9	0.36	7.56	7.56	9.65	9.65

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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