

GAALSHIP® HF 1000 A

Armoured, power and control cable 0,6/1 kV



ELETTROTEK KABEL® GAALSHIP® HF 1000 A

Applications:

Power and control cables for fixed electrical installations aboard ships complying with IEC 60092-352.

Construction:

Conductor:	Plain annealed copper or Tinned annealed copper conductor Cl. 2 flexible up to 10 mm ² Cl. 5 from 16 mm ² , acc. to EN IEC 60228
Insulation:	GAALTHERM® 595
Cores color:	Acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334 green-yellow earth-wire from 3 cores
Inner sheath (if any):	Halogen free compound or synthetic tape
Armour:	Plain or tinned annealed copper wires braid acc. to IEC 60092-350
Outer sheath:	Halogen free thermoplastic compound type SHF1, acc. to IEC 60092-360, Thickness acc. to IEC 60092-353
Marking:	ELETTROTEK KABEL® GAALSHIP® HF 1000 A, cross nominal section sqmm, 0,6/1 kV, part n°, IEC 60092-353, IEC 60332-3-22, production plant, batch n°, production date, CE RoHS, progressive meter marking.

Type Approvals/Certificates:

RINA / RINAMIL (Registro Italiano Navale)
BV (Bureau Veritas)
LR (Lloyd's Register)
DNV-GL (Det Norske Veritas - Germanischer Lloyd)
ABS (American Bureau of Shipping)
 Other approvals on request

Resistance:



Flame and fire retardant acc. to:
 EN IEC 60332-1-2,
 EN IEC 60332-3-22



Halogen free acc. to:
 EN IEC 60754-1/2



Smoke emission properties acc. to:
 EN IEC 61034-1/2

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	-40°C up to +90°C
Installation temp.:	-5°C
Short circuit temperature:	+250°C
Min. bending radius:	4 x Outer diameter

Features:

Sheathing and insulating materials acc. to IEC 60092-360
 Design guidelines acc. to IEC 60092-350/353
 Choice and installation of electric cables acc. to IEC 60092-352
 Cold bend test at low temperatures
 acc. to IEC 60092-350 art. 8.9 and Annex E (-40°C)
 Cold bend impact at low temperatures
 acc. to IEC 60092-350 art. 8.9 and Annex E (-35°C)
 On request class 5 conductor for sections up to 10 mm²

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Part no.	No. of cores x cross section n x mm ²	Outer sheath color	Outer diameter ca.mm	Copper weight approx. kg/km	Cable weight approx. kg/km	Current rating in open air at 45°C (A)
12051G7L010M15	1 x 1,5	Black	5,9	32	64	23
12051G7L010M25	1 x 2,5	Black	6,3	45	79	30
12051G7L010M40	1 x 4	Black	6,8	61	100	40
12051G7L010M60	1 x 6	Black	7,5	83	128	52
12051G7L010M61	1 x 10	Black	8,6	127	183	72
12051G7L010M62	1 x 16	Black	9,6	190	255	96
12051G7L010M63	1 x 25	Black	11,5	287	378	127
12051G7L010M64	1 x 35	Black	12,7	390	495	157
12051G7L010M65	1 x 50	Black	14,9	572	705	196
12051G7L010M66	1 x 70	Black	16,9	778	943	242
12051G7L010M67	1 x 95	Black	18,6	1032	1221	293
12051G7L010M68	1 x 120	Black	20,7	1290	1518	339
12051G7L010M69	1 x 150	Black	22,5	1585	1854	389
12051G7L010M70	1 x 185	Black	25	1939	2266	444
12051G7L010M71	1 x 240	Black	27,8	2492	2881	522
12051G7L010M72	1 x 300	Black	30,8	3092	3551	601
12051G7L010M73	1 x 400	Black	34,5	4083	4648	690 (DC) / 670 (AC)
12051G73020M10	2 x 1	Black	9,4	50	132	11
12051G73020M15	2 x 1,5	Black	9,9	62	151	20
12051G73020M25	2 x 2,5	Black	10,8	87	189	26
12051GE3020M40	2 x 4	Green	11,8	122	239	34
12051GE3020M60	2 x 6	Green	13	164	298	44
12051G73020M61	2 x 10	Black	15,5	284	457	61
12051G73020M62	2 x 16	Black	17,7	413	628	82
12051G73020M63	2 x 25	Black	20,7	619	884	108
12051G73020M64	2 x 35	Black	23	818	1134	133
12051G73020M65	2 x 50	Black	26,7	1147	1555	155
12051G73030M10	3 x 1	Black	9,8	61	148	9
12051G73030M15	3 x 1,5	Black	10,3	82	176	16
12051GE2031M15	3 G 1,5	Green	10,3	82	176	20
12051G73030M25	3 x 2,5	Black	11,3	112	220	21
12051GE2031M25	3 G 2,5	Green	11,3	112	220	26
12051G73030M40	3 x 4	Black	12,5	163	288	28
12051G72031M40	3 G 4	Black	12,5	163	288	34
12051G73030M60	3 x 6	Black	13,9	227	385	36
12051G72031M60	3 G 6	Black	13,9	227	385	44
12051G73030M61	3 x 10	Black	16,4	387	583	50
12051G72031M61	3 G 10	Black	16,4	387	583	61
12051G73030M62	3 x 16	Black	18,8	582	826	67
12051G72031M62	3 G 16	Black	18,8	582	826	82
12051G73030M63	3 x 25	Black	22,1	867	1174	89
12051G73030M64	3 x 35	Black	24,5	1178	1529	110
12051G73030M65	3 x 50	Black	28,5	1639	2102	137
12051G73030M66	3 x 70	Black	32,8	2239	2837	169
12051G73030M67	3 x 95	Black	37	3072	3762	205
12051G73030M68	3 x 120	Black	41,4	3855	4701	237
12051G73030M69	3 x 150	Black	45,4	4764	5794	272
12051G73030M70	3 x 185	Black	50,7	5827	7057	311
12051G73030M71	3 x 240	Black	56,7	7444	8890	365
12051G73030M72	3 x 300	Black	63,3	9262	10968	421
12051GG3040M10	4 x 1	Orange	10,5	77	177	13
12051GG3040M15	4 x 1,5	Orange	11,2	99	210	16
12051G73040M15	4 x 1,5	Black	11,2	99	210	16
12051GE2041M15	4 G 1,5	Green	11,2	99	210	16
12051GG3040M25	4 x 2,5	Orange	12,3	144	272	21
12051G73040M25	4 x 2,5	Black	12,3	144	272	21
12051GE2041M25	4 G 2,5	Green	12,3	144	272	21
12051G73040M40	4 x 4	Black	13,7	206	358	28
12051G72041M40	4 G 4	Black	13,7	206	358	28

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12051G73040M60	4 x 6	Black	15,5	325	504	36
12051G72041M60	4 G 6	Black	15,5	325	504	36
12051G73040M61	4 x 10	Black	17,9	499	715	50
12051G72041M61	4 G 10	Black	17,9	499	715	50
12051G73040M62	4 x 16	Black	20,6	739	1009	67
12051G72041M62	4 G 16	Black	20,6	739	1009	67
12051G73040M63	4 x 25	Black	24,2	1129	1458	89
12051G73040M64	4 x 35	Black	27	1530	1915	110
12051G73040M65	4 x 50	Black	31,5	2141	2721	137
12051G73040M66	4 x 70	Black	36,6	3018	3745	169
12051G73040M67	4 x 95	Black	40,7	4045	4878	205
12051G73040M68	4 x 120	Black	45,7	5052	6089	237
12051G73040M69	4 x 150	Black	50,3	6253	7536	272
12051G73040M70	4 x 185	Black	56,2	7634	9223	311
12051G73040M70	4 x 240	Black	62,9	9838	11703	365
12051GG3050M10	5 x 1	Orange	11,4	89	210	13
12051GG3050M15	5 x 1,5	Orange	12,1	118	253	16
12051G72051M15	5 G 1,5	Black	12,1	118	253	16
12051GG3050M25	5 x 2,5	Orange	13,4	173	331	21
12051G72051M25	5 G 2,5	Black	13,4	173	331	21
12051G73050M40	5 x 4	Black	15,3	284	471	28
12051G72051M40	5G4	Black	15,3	284	471	28
12051G73050M60	5 x 6	Black	16,9	388	605	36
12051G72051M60	5 G 6	Black	16,9	388	605	36
12051G73050M61	5 x 10	Black	19,6	609	874	50
12051G72051M61	5 G 10	Black	19,6	609	874	50
12051G73050M62	5 x 16	Black	22,6	912	1245	67
12051G72051M62	5 G 16	Black	22,6	912	1245	67
12051G73050M63	5 x 25	Black	26,7	1390	1808	89
12051G73050M64	5 x 35	Black	29,9	1891	2384	110
12051G73050M65	5 x 50	Black	34,9	2648	3352	137
12051G73050M66	5 x 70	Black	40,6	3740	4634	169
12051G73050M67	5 x 95	Black	45,3	5003	6053	172
12051G73050M68	5 x 120	Black	50,8	6259	7547	199
12051G73050M69	5 x 150	Black	55,9	7751	9273	228
12051G73050M70	5 x 185	Black	62,5	9501	11386	261
12051GG1070M10	7 x 1	Orange	12	115	249	8
12051GG1070M15	7 x 1,5	Orange	12,7	152	298	10
12051GG1070M25	7 x 2,5	Orange	14,5	258	434	14
12051GG1100M10	10 x 1	Orange	14,7	188	391	7
12051GG1100M15	10 x 1,5	Orange	15,8	241	467	9
12051GG1100M25	10 x 2,5	Orange	17,5	346	611	12
12051GG1120M10	12 x 1	Orange	15,7	212	440	7
12051GG1120M15	12 x 1,5	Orange	16,7	276	526	9
12051GG1120M25	12 x 2,5	Orange	18,6	404	697	11
12051GG1140M10	14 x 1	Orange	16,4	234	482	6
12051GG1140M15	14 x 1,5	Orange	17,6	317	593	8
12051GG1140M25	14 x 2,5	Orange	19,5	459	778	11
12051GG1160M10	16 x 1	Orange	17,3	258	537	6
12051GG1160M15	16 x 1,5	Orange	18,5	350	659	8
12051GG1160M25	16 x 2,5	Orange	20,5	522	880	10
12051GG1190M10	19 x 1	Orange	18,1	301	608	6
12051GG1190M15	19 x 1,5	Orange	19,4	397	738	7
12051GG1190M25	19 x 2,5	Orange	21,7	599	1004	10
12051GG1240M10	24 x 1	Orange	20,7	368	799	5
12051GG1240M15	24 x 1,5	Orange	22,5	490	977	7
12051GG1240M25	24 x 2,5	Orange	25	740	1308	9

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12051GG1270M10	27 x 1	Orange	21,6	400	866	5
12051GG1270M15	27 x 1,5	Orange	23,2	534	1051	7
12051GG1270M25	27 x 2,5	Orange	25,9	815	1418	9
12051GG1300M10	30 x 1	Orange	22,3	432	923	5
12051GG1300M15	30 x 1,5	Orange	24,1	596	1148	6
12051GG1300M25	30 x 2,5	Orange	26,9	904	1548	8
12051GG1370M10	37 x 1	Orange	24,1	520	1097	5
12051GG1370M15	37 x 1,5	Orange	25,9	704	1346	6
12051GG1370M25	37 x 2,5	Orange	28,9	1083	1831	8

Other dimensions and colors available on request.