

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.

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

Type Approvals/Certificates:

RINA / RINAMIL (REGISTRO ITALIANO NAVALE)
BV (BUREAU VERITAS)
LR (LLOYD'S REGISTER)
DNV-GL (DET NORSKE VERITAS - GERMANISHER 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

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.