

## GAALSHIP® HF 1000 A EMC

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



ELETTROTEK KABEL® GAALSHIP® HF 1000 A EMC



### Applications:

EMC power and control cables for fixed electrical installations aboard ships, not subject to mechanical risk complying with IEC 60092-352

### Construction:

<b>Conductor:</b>	Plain annealed copper or Tinned annealed copper conductor Cl. 2 flexible up to 10 mm <sup>2</sup> Cl. 5 from 16 mm <sup>2</sup> , acc. to EN IEC 60228
<b>Insulation:</b>	GAALTHERM® 595
<b>Cores color:</b>	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
<b>Inner sheath (if any):</b>	Halogen free compound or synthetic tape
<b>Armour:</b>	Plain or tinned annealed copper wires braid + 100% coverage plain annealed copper/polyester tape acc. to IEC 60092-350
<b>Outer sheath:</b>	Halogen free thermoplastic compound type SHF1, acc. to IEC 60092-360, Thickness acc. to IEC 60092-353
<b>Marking:</b>	ELETTROTEK KABEL® GAALSHIP® HF 1000 A EMC, 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) in progress  
**ABS** (American Bureau of Shipping)  
**RMRS** (Russian Maritime Register 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:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	3,5 kV
<b>Temperature range:</b>	-40°C up to +90°C
<b>Installation temp.:</b>	-5°C
<b>Short circuit temperature:</b>	+250°C
<b>Min. bending radius:</b>	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 mm<sup>2</sup>

# GAALSHIP® MARINE CABLES

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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer sheath color	Outer diameter ca.mm			Cable weight approx. kg/km	Max. resistance of conductors at 20°C (Ohm/km)	Current rating in open air at 45°C (A)	Short circuit rating I sec. (kA)
			Min.	Nom.	Max.				
12091G73037M63	3 x 25 + 3 G 6	Black	26,1	30,6	33	1296	0,8 / 3,1	89	3,75
12091G73037M65	3 x 50 + 3 G 10	Black	31,3	35,8	38,4	2374	0,4 / 1,8	137	7,20
12091G73037M66	3 x 70 + 3 G 16	Black	36,6	41,1	43,8	3263	0,3 / 1,2	169	10,10
12091G73037M67	3 x 95 + 3 G 16	Black	41,2	45,7	48,5	4113	0,2 / 1,2	205	13,70
12091G72041M60	4 G 6	Black	13	15,2	17,1	646	3,1	36	0,95
12091G72041M61	4 G 10	Black	16	18,5	20,4	874	1,8	50	1,55

Other dimensions and colors available on request.