

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:

- Conductor:** Plain annealed copper or
Tinned annealed copper conductor
Cl. 2 flexible up to 10 mm²
Cl. 5 from 16 mm², 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
+ 100% coverage plain annealed
copper/polyester tape
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 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:

- Nominal voltage:** U₀/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

GAALSHIP® MARINE CABLES

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Part no.	No. of cores x cross section n x mm ²	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.