

GAALSHIP® MEDIUM SHF

1,8/3 kV up to 12/20 kV, armoured medium voltage power cable, single core



ELETTROTEK KABEL® GAALSHIP® MEDIUM SHF

Applications:

Single-core, medium voltage power cables for fixed electrical installations aboard ships, not subject to mechanical risk complying with IEC 60092-352

Construction:

Conductor:	Flexible tinned annealed copper conductor Cl. 5*, acc to IEC 60228 *Cl. 2 for electrical resistance
Conductor screen:	Semi-conducting tape + extruded semi-conductive compound (from 3,6 up to 12/20 kV)
Insulation:	HEPR or XLPE halogen free compound acc. to IEC 60092-360
Insulation screen:	Extruded semi-conductive compound (from 3,6 up to 12/20 kV)
Screen:	Plain annealed copper tapes (from 3,6 up to 12/20 kV)
Inner sheath:	Halogen-free type SHF1
Armour:	Plain or tinned annealed copper wires braid acc. to IEC 60092-350
Outer sheath:	Red (RAL 3000), Halogen-free type SHF1 acc. to IEC 60092-360
Marking:	ELETTROTEK KABEL® GAALSHIP® MEDIUM SHF cross nominal section, 1,8/3 kV up to 12/20 kV, IEC 60092-353 IEC 60332-3-22 A48 production date. Progressive meter marking.

Technical data:

Nominal voltage:	1,8/3 kV to 12/20 kV
Temperature range:	-25°C up to +90°C
Installation temp.:	-5°C
Short circuit temperature:	+250°C
Min. bending radius:	4 x d

Type Approvals/Certificates:

RINA (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:
 IEC 60332-1-2,
 IEC 60332-3-22



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



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

Features:

Other standard acc. to:
 IEC 60092-350/353/354, IEC 60092-352, IEC 60092-360
 on request plain annealed copper conductor
 on request galvanized steel wires braid armouring
 on request black or gray outer sheath only for 1,8/3 kV
 CSA C.22.2 Abnormal low temperature performances (-40°C when required only)

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1,8/3 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
13010KRL010M62	1x16	15,5	410	6
13010KRL010M63	1x25	17,0	530	4
13010KRL010M64	1x35	18,0	640	2
13010KRL010M65	1x50	19,5	790	1
13010KRL010M66	1x70	21,3	1020	2/0
13010KRL010M67	1x95	23,5	1320	3/0
13010KRL010M68	1x120	25,3	1570	4/0
13010KRL010M69	1x150	27,0	1860	250 MCM
13010KRL010M70	1x185	29,5	2270	350 MCM
13010KRL010M71	1x240	32,0	2850	450 MCM
13010KRL010M72	1x300	34,4	3410	550 MCM

3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
13010MRL010M62	1x16	19,5	600	6
13010MRL010M63	1x25	21,0	750	4
13010MRL010M64	1x35	21,8	860	2
13010MRL010M65	1x50	23,5	1010	1
13010MRL010M66	1x70	25,0	1260	2/0
13010MRL010M67	1x95	27,5	1580	3/0
13010MRL010M68	1x120	30,0	1860	4/0
13010MRL010M69	1x150	30,5	2160	250 MCM
13010MRL010M70	1x185	33,4	2590	350 MCM
13010MRL010M71	1x240	36,5	3250	450 MCM
13010MRL010M72	1x300	39,7	3890	550 MCM

6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
13010QRL010M63	1x25	22,8	820	4
13010QRL010M64	1x35	24,0	950	2
13010QRL010M65	1x50	25,3	1100	1
13010QRL010M66	1x70	27,4	1360	2/0
13010QRL010M67	1x95	29,5	1680	3/0
13010QRL010M68	1x120	31,4	1980	4/0
13010QRL010M69	1x150	36,0	2280	250 MCM
13010QRL010M70	1x185	35,9	2740	350 MCM
13010QRL010M71	1x240	38,2	3360	450 MCM
13010QRL010M72	1x300	41,5	4090	550 MCM
13010MRL010M72	1x300	39,7	3890	550 MCM

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8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
13010SRL010M63	1x25	25,3	940	4
13010SRL010M64	1x35	26,5	1070	2
13010SRL010M65	1x50	27,7	1230	1
13010SRL010M66	1x70	30,0	1500	2/0
13010SRL010M67	1x95	31,7	1820	3/0
13010SRL010M68	1x120	34,0	2150	4/0
13010SRL010M69	1x150	35,5	2470	250 MCM
13010SRL010M70	1x185	40,0	2910	350 MCM
13010SRL010M71	1x240	41,0	3620	450 MCM
13010SRL010M72	1x300	43,8	4270	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
13010URL010M64	1x35	29,5	1180	2
13010URL010M65	1x50	30,5	1370	1
13010URL010M66	1x70	32,5	1620	2/0
13010URL010M67	1x95	34,5	1970	3/0
13010URL010M68	1x120	36,5	2300	4/0
13010URL010M69	1x150	38,5	2600	250 MCM
13010URL010M70	1x185	41,5	3140	350 MCM
13010URL010M71	1x240	43,5	3800	450 MCM
13010URL010M72	1x300	46,5	4460	550 MCM

Other dimensions and colors available on request.