

GAALSHIP® MEDIUM MHF

1,8/3 kV up to 12/20 kV, armoured medium voltage power cable, three cores



ELETTROTEK KABEL® GAALSHIP® MEDIUM MHF



Applications:

Multi-cores, 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)
Fillers:	Halogen-free compound
Inner sheath:	Halogen-free type SHF1
Armour:	Plain or tinned annealed copper wire 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 MHF 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:	12 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.*)
13020KR1030M62	3x16	30,2	1340	6
13020KR1030M63	3x25	32,0	1770	4
13020KR1030M64	3x35	34,0	2160	2
13020KR1030M65	3x50	37,5	2710	1
13020KR1030M66	3x70	41,5	3530	2/0
13020KR1030M67	3x95	46,8	4700	3/0
13020KR1030M68	3x120	51,1	5730	4/0
13020KR1030M69	3x150	54,2	6720	250 MCM
13020KR1030M70	3x185	60,2	8280	350 MCM
13020KR1030M71	3x240	65,8	10390	450 MCM
13020KR1030M72	3x300	71,3	12510	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.*)
13020MR1030M62	3x16	37,5	2140	6
13020MR1030M63	3x25	41,0	2730	4
13020MR1030M64	3x35	43,1	3180	2
13020MR1030M65	3x50	46,5	3790	1
13020MR1030M66	3x70	50,8	4740	2/0
13020MR1030M67	3x95	55,7	5950	3/0
13020MR1030M68	3x120	60,0	7060	4/0
13020MR1030M69	3x150	63,3	8170	250 MCM
13020MR1030M70	3x185	68,8	9770	350 MCM
13020MR1030M71	3x240	75,1	12140	450 MCM
13020MR1030M72	3x300	82,5	14770	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.*)
13020QR1030M62	3x16	42,5	2640	6
13020QR1030M63	3x25	45,5	3170	4
13020QR1030M64	3x35	48,0	3670	2
13020QR1030M65	3x50	51,0	4290	1
13020QR1030M66	3x70	55,5	5290	2/0
13020QR1030M67	3x95	60,8	6600	3/0
13020QR1030M68	3x120	64,5	7690	4/0
13020QR1030M69	3x150	67,5	8770	250 MCM
13020QR1030M70	3x185	73,4	10480	350 MCM
13020QR1030M71	3x240	79,5	12880	450 MCM
13020QR1030M72	3x300	85,8	15380	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.)*
13020SR1030M63	3x25	51,0	3880	4
13020SR1030M64	3x35	53,4	4290	2
13020SR1030M65	3x50	56,4	4940	1
13020SR1030M66	3x70	60,9	6010	2/0
13020SR1030M67	3x95	65,8	7300	3/0
13020SR1030M68	3x120	69,7	8430	4/0
13020SR1030M69	3x150	72,5	9570	250 MCM
13020SR1030M70	3x185	79,2	11510	350 MCM
13020SR1030M71	3x240	84,4	13770	450 MCM
13020SR1030M72	3x300	91,0	16380	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.)*
13020UR1030M64	3x35	59,4	4970	2
13020UR1030M65	3x50	62,4	5670	1
13020UR1030M66	3x70	66,3	6650	2/0
13020UR1030M67	3x95	71,3	7950	3/0
13020UR1030M68	3x120	75,4	9270	4/0
13020UR1030M69	3x150	78,4	10510	250 MCM
13020UR1030M70	3x185	84,5	12260	350 MCM
13020UR1030M71	3x240	90,4	14760	450 MCM
13020UR1030M72	3x300	86,4	17330	550 MCM

Other dimensions and colors available on request.