Ship's Power Cables MGH 0,6/1 kV (MGG*)

halogen-free, according to DIN 89160/98

Technical data

- As per DIN 89160 edition 1998 and IEC 600292-353
- **Temperature range** max. +85° C conductor temperature
- Min. **installation temperature** –10° C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Bending radius** approx. 4 x cable ∅
- **Approved by** Germanischer Lloyd, Lloyd's Register of Shipping, American Bureau of Shipping, Det Norske Veritas, Bureau Veritas, Verband Deutscher Elektrotechniker. Russian Maritime Register of Shipping and Registro Italiano Navale are in preparation
- Flame retardant according to SOLAS definition (according to IEC 60332-3 category A)

Cable structure

- Stranded, bare copper conductors to DIN VDE 0295 cl. 2 and IEC 60228 cl. 2
- HEPR core insulation (Hard grade EPR)
- Cores stranded in layers with optimal lay-length
- Overall filled inner sheath, covered by filling compound
- Outer sheath, Polyolefin basis-compound, flame retardant, sheath colour
  black up to 5 cores
  grey 7 and more cores

Colour code[1])

1 core: natural colour
2 cores: black/blue
3 cores: black/blue/brown
4 cores: black/blue/brown/black
5 cores: black/blue/brown/black/ black
6 cores and more: all cores natural coloured, printed with numbers, starting in center with number 1

Application

For stationary installation beneath the first metal deck level.

Part No.	No. cores x cross-sec. mm²	Outer ∅ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no.*)
59060	1 x 1,5	4,5	14	60	16
59061	1 x 2,5	5,0	24	70	14
59062	1 x 4	6,0	38	80	12
59063	1 x 6	7,5	58	110	10
59064	1 x 10	8,5	96	150	8
59065	1 x 16	9,5	154	220	6
59066	1 x 25	11,0	240	320	4
59067	1 x 35	12,0	336	420	2
59068	1 x 50	13,5	480	560	1
59069	1 x 70	15,5	672	780	2/0
59070	1 x 95	17,5	912	1030	3/0
59071	1 x 120	19,5	1152	1290	4/0
59072	1 x 150	21,5	1440	1590	300 MCM
59073	1 x 185	23,5	1776	1960	350 MCM
59074	1 x 240	26,5	2304	2560	500 MCM
59075	1 x 300	29,5	2880	3200	600 MCM
59076	2 x 1,5	10,0	29	130	16
59077	2 x 2,5	11,0	48	170	14
59078	2 x 4	12,0	77	220	12
59079	2 x 6	13,0	115	280	10
59080	2 x 10	15,5	192	410	8
59081	2 x 16	17,5	307	590	6
59082	2 x 25	21,0	480	880	4
59083	3 x 1,5	10,5	43	160	16
59084	3 x 2,5	11,5	72	210	14
59085	3 x 4	12,5	115	270	12
59086	3 x 6	14,0	173	350	10

Part No.	No. cores x cross-sec. mm²	Outer ∅ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no.*)
59087	3 x 10	16,5	288	510	8
59088	3 x 16	18,5	461	750	6
59089	3 x 25	22,0	720	1130	4
59090	3 x 35	24,5	1008	1500	2
59091	3 x 50	28,0	1440	1970	1
59092	3 x 70	33,0	2016	2770	2/0
59093	3 x 95	37,0	2736	3680	3/0
59094	3 x 120	41,0	3456	4580	4/0
59095	4 x 1,5	11,0	58	200	16
59096	4 x 2,5	12,0	96	250	14
59097	4 x 4	13,5	154	330	12
59098	4 x 6	15,5	230	440	10
59099	4 x 10	18,0	384	660	8
59100	4 x 16	21,0	614	950	6
59101	4 x 25	24,5	960	1460	4
59102	4 x 35	27,0	1344	1920	2
59103	4 x 50	31,0	1920	2520	1
59104	4 x 70	36,5	2688	3530	2/0
59105	4 x 95	41,0	3648	4730	3/0
59106	5 x 1,5	12,0	72	230	16
59107	7 x 1,5	13,0	101	290	16
59108	10 x 1,5	15,5	144	360	16
59109	12 x 1,5	16,0	173	410	16
59110	14 x 1,5	17,0	202	470	16
59111	16 x 1,5	18,0	230	535	16
59112	19 x 1,5	19,5	274	610	16
59113	24 x 1,5	22,0	346	760	16

***) Note**
AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

[1]) Halogeneted type MGG will be substituted according to DIN, edition 1998 through the halogen-free type MGH.