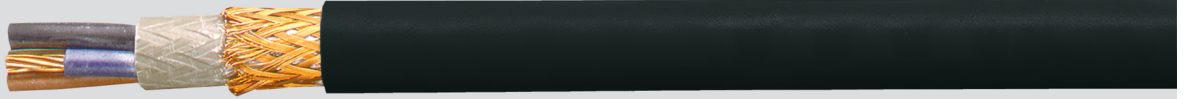


# Ships Power Cables MGSGO halogen-free, copper screened



## Technical data

- acc. to VG 95218 part 60, with screen and natural insulation integrity in case of fire without a flame retardant barrier
- **Operating temperature** at conductor max. +85°C
- **Nominal voltage** U<sub>0</sub>/U 0,6/1 kV
- **Minimum bending radius** 5x cable Ø

## Cable structure

- Stranded copper conductors
- Heat-resistant EPR-insulation 3GI3 to DIN VDE 0207 part 20
- Cores stranded in layers with optimal lay-length
- Filling compound covering all cores
- Foil wrapping
- Bare copper braided screen
- Polyester tape
- Outer sheath of elastomer compound to olefin based copolymer
- Sheath colour black

## Properties

- halogen-free and flame retardant
- **Colour code**  
1 core: BK  
2 cores: BN, BU  
3 cores: BN, BK, GY  
4 cores: BU, BN, BK, GY

## Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

Halogen-free power cables for marine craft are used for fixed installation on ships in all rooms and open decks as control and power cables.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
59270	1 x 4	7,5 - 8,5	81,0	155,0	12	59291	3 x 1,5	12,0 - 13,0	125,0	260,0	16
59271	1 x 6	8,4 - 9,4	104,0	185,0	10	59292	3 x 2,5	13,0 - 14,2	161,0	330,0	14
59272	1 x 10	9,5 - 10,5	149,0	245,0	8	59293	3 x 4	14,0 - 15,2	215,0	420,0	12
59273	1 x 16	10,0 - 11,0	214,0	260,0	6	59294	3 x 6	15,5 - 16,8	282,0	530,0	10
59274	1 x 25	12,0 - 13,0	311,0	420,0	4	59295	3 x 10	17,6 - 18,9	417,0	740,0	8
59275	1 x 35	13,0 - 14,0	416,0	530,0	2	59296	3 x 16	20,0 - 21,4	636,0	1090,0	6
59276	1 x 50	15,0 - 16,0	572,0	680,0	1	59297	3 x 25	24,0 - 25,4	924,0	1340,0	4
59277	1 x 70	17,0 - 18,0	779,0	890,0	2/0	59298	3 x 35	26,0 - 28,2	1233,0	1790,0	2
59278	1 x 95	19,5 - 20,5	1034,0	1200,0	3/0	59299	3 x 50	30,0 - 32,2	1703,0	2190,0	1
59279	1 x 120	21,0 - 22,4	1316,0	1340,0	4/0	59300	3 x 70	34,5 - 36,7	2413,0	2990,0	2/0
59280	1 x 150	23,0 - 24,4	1615,0	1770,0	300 kcmil	59301	3 x 95	39,7 - 42,2	3191,0	4220,0	3/0
59281	1 x 185	25,5 - 27,0	1968,0	2180,0	350 kcmil	59302	3 x 120	43,0 - 45,7	3975,0	5090,0	4/0
59282	1 x 240	29,0 - 30,5	2506,0	2610,0	500 kcmil	59303	4 x 4	15,2 - 16,5	284,0	480,0	12
59283	1 x 300	31,5 - 33,5	3345,0	3250,0	600 kcmil	59304	4 x 6	17,0 - 18,3	371,0	670,0	10
59284	2 x 1,5	11,5 - 12,5	105,0	240,0	16	59305	4 x 10	19,4 - 20,9	545,0	910,0	8
59285	2 x 2,5	12,4 - 13,4	132,0	290,0	14	59306	4 x 16	22,0 - 23,5	796,0	1160,0	6
59286	2 x 4	13,4 - 14,7	170,0	350,0	12	59307	4 x 25	26,4 - 28,0	1170,0	1680,0	4
59287	2 x 6	14,7 - 16,0	217,0	440,0	10	59308	4 x 35	29,2 - 31,0	1578,0	2160,0	2
59288	2 x 10	16,2 - 17,7	307,0	570,0	8	59309	4 x 50	33,5 - 35,8	2278,0	2760,0	1
59289	2 x 16	19,0 - 20,3	471,0	780,0	6	59310	4 x 70	38,2 - 40,7	3090,0	3750,0	2/0
59290	2 x 25	22,5 - 24,0	670,0	1070,0	4	59311	4 x 95	44,2 - 46,7	4110,0	4990,0	3/0

Dimensions and specifications may be changed without prior notice. (RW01)