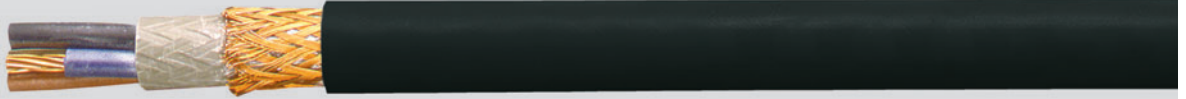


Ships Power Cables MGSGO halogen-free, copper screened



Technical data

- According to VG 95218 part 60, screened. The core insulation continues to function during a fire without the need for extra flame-proof taping
- **Conductor operating temperature**
max. +85 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Minimum bending radius**
approx. 5x cable \varnothing

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 screen
- Plain copper braided screen
- Polyester tape
- Chloroprene based outer sheath 5GM3, to DIN VDE 0207 part 21
- Jacket colour black

Properties

- halogen-free and flame retardant
- **Colour code**
1 core: black
2 cores: brown/blue
3 cores: brown/black/grey
4 cores: blue/brown/black/grey
- **Approved by**
BWB (Bundesamt für Wehrtechnik und Beschaffung), i.e. German Federal Office for Defence and Procurement

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59270	1 x 4	7,5	81,0	170,0	12
59271	1 x 6	8,4	104,0	200,0	10
59272	1 x 10	9,5	149,0	260,0	8
59273	1 x 16	10,0	214,0	340,0	6
59274	1 x 25	12,0	311,0	480,0	4
59275	1 x 35	13,0	416,0	590,0	2
59276	1 x 50	15,0	572,0	760,0	1
59277	1 x 70	17,0	779,0	980,0	2/0
59278	1 x 95	19,5	1034,0	1300,0	3/0
59279	1 x 120	21,0	1316,0	1550,0	4/0
59280	1 x 150	23,0	1615,0	1850,0	300 kcmil
59281	1 x 185	25,5	1968,0	2300,0	350 kcmil
59282	1 x 240	29,0	2506,0	2950,0	500 kcmil
59283	1 x 300	31,5	3345,0	3600,0	600 kcmil
59284	2 x 1,5	11,5	105,0	340,0	16
59285	2 x 2,5	12,4	132,0	400,0	14
59286	2 x 4	13,4	170,0	460,0	12
59287	2 x 6	14,7	217,0	570,0	10
59288	2 x 10	16,2	307,0	720,0	8
59289	2 x 16	19,0	471,0	940,0	6
59290	2 x 25	22,5	670,0	1300,0	4

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59291	3 x 1,5	12,0	125,0	380,0	16
59292	3 x 2,5	13,0	161,0	440,0	14
59293	3 x 4	14,0	215,0	520,0	12
59294	3 x 6	15,5	282,0	640,0	10
59295	3 x 10	17,6	417,0	840,0	8
59296	3 x 16	20,0	636,0	1110,0	6
59297	3 x 25	24,0	924,0	1610,0	4
59298	3 x 35	26,0	1233,0	2020,0	2
59299	3 x 50	30,0	1703,0	2610,0	1
59300	3 x 70	34,5	2413,0	3450,0	2/0
59301	3 x 95	39,7	3191,0	4710,0	3/0
59302	3 x 120	43,0	3975,0	5680,0	4/0
59303	4 x 4	15,2	284,0	620,0	12
59304	4 x 6	17,0	371,0	750,0	10
59305	4 x 10	19,4	545,0	1010,0	8
59306	4 x 16	22,0	796,0	1400,0	6
59307	4 x 25	26,4	1170,0	2000,0	4
59308	4 x 35	29,2	1578,0	2530,0	2
59309	4 x 50	33,5	2278,0	3280,0	1
59310	4 x 70	38,2	3090,0	4450,0	2/0
59311	4 x 95	44,2	4110,0	5930,0	3/0

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