

Ships Power Cables MSGG 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 Ø

Cable construction

- 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: black/blue
 - 3 cores: black/blue/brown
 - 4 cores: black/blue/brown/black
- **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. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
59270	1 x 4,0	9,0	81,0	170,0	12
59271	1 x 6,0	10,0	104,0	200,0	10
59272	1 x 10,0	11,0	149,0	260,0	8
59273	1 x 16,0	12,0	214,0	340,0	6
59274	1 x 25,0	14,0	311,0	480,0	4
59275	1 x 35,0	15,5	416,0	590,0	2
59276	1 x 50,0	17,5	572,0	760,0	1
59277	1 x 70,0	19,5	779,0	980,0	2/0
59278	1 x 95,0	22,0	1034,0	1300,0	3/0
59279	1 x 120,0	23,5	1316,0	1550,0	4/0
59280	1 x 150,0	26,0	1615,0	1850,0	300 kcmil
59281	1 x 185,0	28,5	1968,0	2300,0	350 kcmil
59282	1 x 240,0	31,5	2506,0	2950,0	500 kcmil
59283	1 x 300,0	34,4	3345,0	3600,0	600 kcmil
59284	2 x 1,5	15,0	105,0	340,0	16
59285	2 x 2,5	16,0	132,0	400,0	14
59286	2 x 4,0	17,0	170,0	460,0	12
59287	2 x 6,0	18,5	217,0	570,0	10
59288	2 x 10,0	20,0	307,0	720,0	8
59289	2 x 16,0	22,5	471,0	940,0	6
59290	2 x 25,0	26,5	670,0	1300,0	4

Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
59291	3 x 1,5	15,5	125,0	380,0	16
59292	3 x 2,5	16,5	161,0	440,0	14
59293	3 x 4,0	18,0	215,0	520,0	12
59294	3 x 6,0	19,0	282,0	640,0	10
59295	3 x 10,0	21,5	417,0	840,0	8
59296	3 x 16,0	24,0	636,0	1110,0	6
59297	3 x 25,0	28,0	924,0	1610,0	4
59298	3 x 35,0	31,0	1235,0	2020,0	2
59299	3 x 50,0	35,0	1703,0	2610,0	1
59300	3 x 70,0	39,0	2413,0	3450,0	2/0
59301	3 x 95,0	45,5	3192,0	4710,0	3/0
59302	3 x 120,0	49,5	3975,0	5680,0	4/0
59303	4 x 4,0	19,0	284,0	620,0	12
59304	4 x 6,0	20,5	371,0	750,0	10
59305	4 x 10,0	23,0	545,0	1010,0	8
59306	4 x 16,0	26,0	796,0	1400,0	6
59307	4 x 25,0	30,5	1170,0	2000,0	4
59308	4 x 35,0	34,0	1578,0	2530,0	2
59309	4 x 50,0	38,5	2278,0	3280,0	1
59310	4 x 70,0	44,0	3090,0	4450,0	2/0
59311	4 x 95,0	50,5	4110,0	5930,0	3/0

Dimensions and specifications may be changed without prior notice.