

Marine Power Cables LMGSG halogen-free, copper screened



Technical data

- According to VG 95 281 part 51 screened.
No loss of insulation if under exposure to flame
- **Conductor operating temperature** max. +85°C
- Min. **installation temperature** -10°C
- **Nominal voltage** 500 V
- **Minimum bending radius** approx. 5x cable Ø
- **Approved by**
BWB (Bundesamt für Wehrtechnik und Beschaffung), i.e. German Federal Office for Defence and Procurement

Cable structure

- Stranded copper conductor to DIN VDE 0295 cl. 2, BS 6360 cl. 2 and IEC 60228 cl. 2
- Heat resistant EPR-insulation 3GI3, to DIN VDE 0207 part 20 with flame resistant taping
- Core stranded in layers with optimal lay-length
- Filling compound covering all cores
- Flame resistant foil taping
- Plain copper braided screening
- Polyester foil taping
- Chloroprene based outer sheath, flame retardant and halogen-free sheath colour black

Colour code

- 2 cores: black/blue
- 3 cores: black/blue/brown
- 4 cores: black/blue/brown/black
- 5 cores: black/blue/brown/black/black
- 7-33 cores: all cores black, number coded, core 1 placed centrally.

Application

For fixed installation on marine craft above and below deck.

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no. *)
59340	2 x 1,5	10,0	89	135	16
59341	3 x 1,5	10,5	105	160	16
59342	4 x 1,5	11,5	131	190	16
59343	5 x 1,5	13,0	146	220	16
59344	7 x 1,5	14,0	180	280	16
59345	10 x 1,5	17,0	244	360	16
59346	12 x 1,5	17,5	276	400	16
59347	14 x 1,5	18,0	310	450	16
59348	16 x 1,5	19,0	342	500	16

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no. *)
59349	19 x 1,5	20,0	401	550	16
59350	24 x 1,5	23,0	494	700	16
59351	27 x 1,5	23,5	539	750	16
59352	33 x 1,5	25,5	633	880	16
59353	2 x 2,5	11,5	114	190	14
59354	3 x 2,5	12,0	144	220	14
59355	4 x 2,5	13,0	171	260	14
59356	7 x 2,5	15,4	266	380	14

*) Note

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