# LMGSGO VG95218T61

## Halogen-free light power cables for marine in acc. with VG 95218 p. 61




For fixed installation on ships in all locations and on open decks. The definitions for installation in BV 3400 apply.

## STANDARDS

| | |
|---|---|
| **VG 95218-61** | General |
| **VG 95218-2** | Fire performance |
| **VG 95218-2** | Chemical behaviour |

## CABLE DESIGN

| | |
|---|---|
| Marketing text 1 | Copper: plain, round stranded, in accordance with VG 95218 part 61 |
| Core insulation material | Cross-linked LS0H |
| Screen construction | Braiding |
| Screen material | Copper, bare |
| Material outer sheath | Crosslinked polymer |

## ELECTRICAL & THERMAL PARAMETERS

| | |
|---|---|
| Rated voltage U0/U (Um) | 300/500 V |
| Test voltage [kV] | 2.5 |
| Max. conductor temperature [°C] | 90 |
| Min. Installation temperature [°C] | -15 |

## CHEMICAL PROPERTIES

| | |
|---|---|
| Halogen free | acc. BS EN 60754-1/2 |
| Low smoke | acc. BS EN 61034-2 |
| Oil resistant | acc. IEC/EN 60811-404 |
| Ozone resistance | Yes |

## MECHANICAL PARAMETERS

50 N/mm²
5 x OD

## CABLE PROPERTIES

| Basic construction | External code | Diameter conductor [mm] | Cable diameter (min) [mm] | Cable diameter (max) [mm] | Cable weight [kg/km] |
|---|---|---|---|---|---|
| 2X1,5 | LMGSGO 2X1,5 (T61) | 1.7 | 7 | 8 | 104 |
| 2X2,5 | LMGSGO 2X2,5 (T61) | 2.2 | 7.7 | 8.8 | 138 |
| 3X1,5 | LMGSGO 3X1,5 (T61) | 1.7 | 7.2 | 8.4 | 119 |
| 3G1,5 | LMGSGO 3G1,5 (T61) | 1.7 | 7.2 | 8.4 | 119 |
| 7X1,5 | LMGSGO 7X1,5 (T61) | 1.7 | 9.3 | 10.8 | 240 |
| 7G1,5 | LMGSGO 7GX1,5 (T61) | 1.7 | 9.3 | 10.8 | 240 |
| 10G1,5 | LMGSGO 10GX1,5 (T61) | 1.7 | 10.8 | 12.5 | 330 |
| 10X1,5 | LMGSGO 10X1,5 (T61) | 1.7 | 10.8 | 12.5 | 330 |
| 12X1,5 | LMGSGO 12X1,5 (T61) | 1.7 | 12 | 13.5 | 370 |
| 14X1,5 | LMGSGO 14X1,5 (T61) | 1.7 | 12.7 | 14.2 | 420 |
| 16X1,5 | LMGSGO 16X1,5 (T61) | 1.7 | 13.2 | 14.8 | 470 |
| 24X1,5 | LMGSGO 24X1,5 (T61) | 1.7 | 15.5 | 17.5 | 660 |
| 27X1,5 | LMGSGO 27X1,5 (T61) | 1.7 | 16.6 | 18.3 | 720 |
| 33X1,5 | LMGSGO 33X1,5 (T61) | 1.7 | 17.5 | 19.5 | 850 |
| 37X1,5 | LMGSGO 37X1,5 (T61) | 1.7 | 20 | 22 | 1,000 |
| 7X2,5 | LMGSGO 7X2,5 (T61) | 2.2 | 10.3 | 12 | 320 |
| 3G2,5 | LMGSGO 3G2,5 (T61) | 2.2 | 8 | 9.4 | 168 |
| 3X2,5 | LMGSGO 3X2,5 (T61) | 2.2 | 8 | 9.4 | 168 |
| 4X1,5 | LMGSGO 4X1,5 (T61) | 1.7 | 7.8 | 9.4 | 156 |
| 4X2,5 | LMGSGO 4X2,5 (T61) | 2.2 | 8.7 | 10.4 | 208 |
| 5G1,5 | LMGSGO 5G1,5 (T61) | 1.7 | 8.3 | 9.6 | 184 |
| 5X1,5 | LMGSGO 5X1,5 (T61) | 1.7 | 8.3 | 9.6 | 185 |

## CABLE PROPERTIES ELECTRIC

| Basic construction | External code | Current carrying capacity [A] | Short circuit current conductor (1sec) [kA] |
|---|---|---|---|
| 2X1,5 | LMGSGO 2X1,5 (T61) | 20 | 0.21 |
| 2X2,5 | LMGSGO 2X2,5 (T61) | 25 | 0.36 |
| 3X1,5 | LMGSGO 3X1,5 (T61) | 15 | 0.21 |

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