

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
VG 95218-2
VG 95218-2

General
Fire performance
Chemical behaviour

CABLE DESIGN

Core insulation material	Cross-linked LS0H
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

ELECTRICAL & THERMAL PARAMETERS

Rated voltage U ₀ /U (U _m)	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

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
3G1,5	LMGSGO 3G1,5 (T61)	20	0.21
7X1,5	LMGSGO 7X1,5 (T61)	12	0.21
7G1,5	LMGSGO 7GX1,5 (T61)	12	0.21
10G1,5	LMGSGO 10GX1,5 (T61)	11	0.21
12X1,5	LMGSGO 12X1,5 (T61)	10	0.21
14X1,5	LMGSGO 14X1,5 (T61)	10	0.21

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