

# MGSGO VG95218T60

Halogen-free power cables for marine in acc. with VG 95218 part 60



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

## STANDARDS



VG 95218-60

VG 95218-2

VG 95218-2

General  
Fire performance  
Chemical behaviour

## CABLE DESIGN

Marketing text 1	Copper: plain, round stranded, in accordance with VG 95218 part 60
Core insulation material	Cross-linked LS0H
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

## ELECTRICAL & THERMAL PARAMETERS

Rated voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 (1.2) kV
Test voltage [kV]	3.5
Max. operation temperature at conductor [°C]	90
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
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]
3X25F	MGSGO-RF 3X25 (T60)	6.6	24	25.6	1,460
3X35	MGSGO 3X35 (T60)	7.9	26	28.2	1,870
3X35F	MGSGO-RF 3X35 (T60)	8	26.6	28.4	1,820
3X50	MGSGO 3X50 (T60)	9.1	30	32.4	2,460
3X50F	MGSGO-RF 3X50 (T60)	9.5	31	33.2	2,500
3X70F	MGSGO-RF 3X70 (T60)	11.2	36	38.2	3,460
3X95F	MGSGO-RF 3X95 (T60)	13	41.6	43.8	4,540
3X120F	MGSGO-RF 3X120 (T60)	14.6	44.5	46.5	5,350
4X4	MGSGO 4X4 (T60)	2.7	15.2	16.7	530
4X6	MGSGO 4X6 (T60)	3.3	17	18.5	660
4X10	MGSGO 4X10 (T60)	4.2	19.4	20.9	890
4X16F	MGSGO-RF 4X16 (T60)	5.3	22	23.7	1,210
4X25F	MGSGO-RF 4X25 (T60)	6.6	26.4	28.2	1,740
4X25	MGSGO 4X25 (T60)	6.6	26.4	28	1,810
4X35F	MGSGO-RF 4X35 (T60)	8	31	33	2,410
4X50F	MGSGO-RF 4X50 (T60)	9.5	34.3	37	3,190

## CABLE PROPERTIES ELECTRIC

Basic construction	External code	Current carrying capacity [A]	Short circuit current conductor (Isec) [kA]
1X4	MGSGO 1X4 (T60)	45	0.57
1X6	MGSGO 1X6 (T60)	65	0.86
1X10	MGSGO 1X10 (T60)	80	1.43
1X16	MGSGO 1X16 (T60)	120	2.29
1X25	MGSGO 1X25 (T60)	150	3.58
3X25	MGSGO 3X25 (T60)	120	3.58
1X35	MGSGO 1X35 (T60)	195	5.01
1X50	MGSGO 1X50 (T60)	225	7.15
1X70	MGSGO 1X70 (T60)	295	10
1X95	MGSGO 1X95 (T60)	350	13.6
1X95F	MGSGO-RF 1X95 (T60)	350	13.6
1X120	MGSGO 1X120 (T60)	400	17.16
1X120F	MGSGO-RF 1X120 (T60)	400	17.16
1X150	MGSGO 1X150 (T60)	460	21.45

## CABLE PROPERTIES ELECTRIC

Basic construction	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
3X25F	MGSGO-RF 3X25 (T60)	125	3.58
3X35	MGSGO 3X35 (T60)	125	5.01
3X35F	MGSGO-RF 3X35 (T60)	145	5.01
3X50	MGSGO 3X50 (T60)	145	7.15
3X50F	MGSGO-RF 3X50 (T60)	180	7.15
3X70F	MGSGO-RF 3X70 (T60)	225	10
3X95F	MGSGO-RF 3X95 (T60)	280	13.6
3X120F	MGSGO-RF 3X120 (T60)	320	17.16
4X4	MGSGO 4X4 (T60)	30	0.57
4X6	MGSGO 4X6 (T60)	40	0.86
4X10	MGSGO 4X10 (T60)	55	1.43
4X16F	MGSGO-RF 4X16 (T60)	75	2.29
4X25F	MGSGO-RF 4X25 (T60)	100	3.58
4X25	MGSGO 4X25 (T60)	100	3.58
4X35F	MGSGO-RF 4X35 (T60)	125	5.01
4X50F	MGSGO-RF 4X50 (T60)	155	7.15

Copyright Prysmian, all rights reserved. You may not copy, reprint, or reproduce in any form the content, either wholly or in part, of this document without written consent of Prysmian. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian. Any modification or alteration of products may cause different results. Prysmian reserves the right to amend the information within this document at any time without notice. For the most up to date information, please contact us. You agree that, in placing any order, you have not relied on the information set out in this document. Prysmian disclaims any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product to the maximum extent permissible by law.