

MGGO 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. The cables are certified from the Bundesamt für Ausrüstung, Informationstechnik und Nutzung der Bundeswehr (BAAINBw).

STANDARDS / APPROVALS





VG 95218-60 VG 95218-2 VG 95218-2

General Fire performance Chemical behaviour

CABLE DESIGN

Conductor

Core insulation material Material outer sheath

Copper: plain, round stranded, in accordance with VG 95218 part 60 Cross-linked LS0H

Crosslinked polymer

ELECTRICAL PARAMETERS

Rated voltage U0/U (Um)

0.6/1 (1.2) kV

90

Test voltage [kV] 3.5

THERMAL PARAMETERS

Max. conductor temperature [°C] Max. conductor temperature at short circuit [°C]

250 Laying temperature (min) [°C] -15

CHEMICAL PARAMETERS

In accordance with EN/IEC 60332-1-2 Flame retardant

In accordance with EN/IEC 60332-1-24

Low smoke acc. IEC/EN 61034-2 Halogen free acc. IEC/EN 60754-1/2 acc. IEC/EN 60811-404 Oil resistant

Ozone resistance Yes

MECHANICAL PARAMETERS

Permanent tensile strength (rule) 50 N/mm²

Bending radius (rule) 5 x OD (4 x OD for F-types)

© All rights reserved by Prysmian Group. Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

20231002 P 1

CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
1X25	20181599	T060C005	6.6	10.7	12.4	326
1X50	20181600	T060C007	16.2	13.2	14.9	552
1X185F	20026137	T060C002	18.1	24.7	26.2	1,969

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
1X25	20181599	T060C005	150	3.58
1X50	20181600	T060C007	225	7.15
1X185F	20026137	T060C002	520	26.5

The values of current carrying capacity are for continuous load at 45 °C ambient temperature, one cable installed on a surface.

20231002 P 2

[©] All rights reserved by Prysmian Group. Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.