

FMSGGO VG95218T63

Halogen-free comm. cables for marine in acc. with VG 95218 part 63



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 95218-63

VG 95218-2

VG 95218-2

General

Fire performance

Chemical behaviour

CABLE DESIGN

Conductor	Copper: plain, round stranded, in accordance with VG 95218 part 63
Core insulation material	Cross-linked LS0H
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

ELECTRICAL PARAMETERS

Nominal voltage U [V]	250
Test voltage [kV]	2

THERMAL PARAMETERS

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Ambient temperature fix installation (min) [°C]	-30
Laying temperature (min) [°C]	-15

CHEMICAL PARAMETERS

Flame retardant	In accordance with EN/IEC 60332-1-2
-	In accordance with EN/IEC 60332-1-24
Low smoke	acc. IEC/EN 61034-2
Halogen free	acc. IEC/EN 60754-1/2
Oil resistant	acc. IEC/EN 60811-404
Ozone resistance	Yes

MECHANICAL PARAMETERS

Permanent tensile strength (rule)	50 N/mm ²
Bending radius (rule)	5 x OD

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CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
2x2x0.75	20026296	T063A001	1.2	11.1	12.5	220
4x2x0.75	20001774	T063A002	1.2	12.9	14.5	330
7x2x0.75	20026298	T063A003	1.2	14.9	16.4	440
11x2x0.75	20026299	T063A004	1.2	19.6	21.4	710
14x2x0.75	20026300	T063A005	1.2	20.8	22.8	850
19x2x0.75	20026301	T063A006	1.2	23.4	25.4	1,100
24x2x0.75	20154153	T063A007	1.2	26.4	28.4	1,310

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
2x2x0.75	20026296	T063A001	8	0.1
4x2x0.75	20001774	T063A002	6	0.1
7x2x0.75	20026298	T063A003	5	0.1
11x2x0.75	20026299	T063A004	4	0.1
14x2x0.75	20026300	T063A005	3	0.1
19x2x0.75	20026301	T063A006	3	0.1
24x2x0.75	20154153	T063A007	2	0.1

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