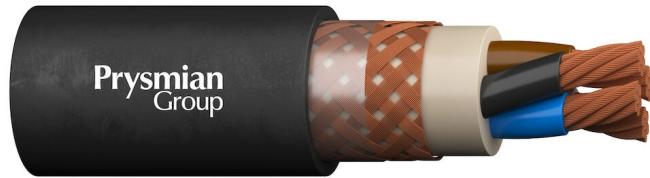


FMGSGO VG95218T62

Halogen-free comm. cables for marine in acc. with VG 95218 part 62



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 95218-62	General
VG 95218-2	Fire performance
VG 95218-2	Chemical behaviour

CABLE DESIGN

Conductor	Copper: plain, round stranded, in accordance with VG 95218 part 62
Core insulation material	Cross-linked LS0H
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

ELECTRICAL PARAMETERS

Nominal voltage U ₀ [V]	250
Nominal voltage U [V]	250
Test voltage [kV]	2

THERMAL PARAMETERS

Max. conductor temperature [°C]	90
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]
1X2X0,75	20016551	T062A008	1.2	6	7.2	70
2X2X0,75	20016548	T062A001	1.2	6.7	8	96
4X2X0,75	20016398	T062A002	1.2	9.4	11	180
6X2X0,75	20024446	T062A003	1.2	10.8	12.5	250
8X2X0,75	20026293	T062A004	1.2	11.9	13.6	310
10X2X0,75	20016547	T062A005	1.2	13.7	15.4	390
14X2X0,75	20026294	T062A006	1.2	14.9	16.7	470
16X2X0,75	20026295	T062A007	1.2	16.1	18.1	550

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
1X2X0,75	20016551	T062A008	8	0.11
2X2X0,75	20016548	T062A001	8	0.11
4X2X0,75	20016398	T062A002	6	0.11
6X2X0,75	20024446	T062A003	5	0.11
8X2X0,75	20026293	T062A004	4	0.11
10X2X0,75	20016547	T062A005	4	0.11
14X2X0,75	20026294	T062A006	3	0.11
16X2X0,75	20026295	T062A007	3	0.11

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