

LFMGSSGO VG95218T64

Halogen-free light comm. cables for marine in acc. with VG 95218 p. 64



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 95218-64

VG 95218-2

VG 95218-2

General

Fire performance

Chemical behaviour

CABLE DESIGN

Conductor	Copper: plain, round stranded, in accordance with VG 95218 part 64
Core insulation material	Low smoke zero halogen
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]
2X2X0,4	20320492	T064A001	0.85	5.8	7	85
4X2X0,4	20320493	T064A002	0.85	7.7	9	130
7X2X0,4	20320494	T064A003	0.85	9.4	11	210
12X2X0,4	20320495	T064A004	0.85	12.8	14.5	320
19X2X0,4	20320496	T064A005	0.85	13.8	15.7	420
27X2X0,4	20320497	T064A006	0.85	15.5	17.5	511

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
2X2X0,4	20320492	T064A001	5.1	0.06
4X2X0,4	20320493	T064A002	4	0.06
7X2X0,4	20320494	T064A003	3.3	0.06
12X2X0,4	20320495	T064A004	2.7	0.06
19X2X0,4	20320496	T064A005	2.3	0.06
27X2X0,4	20320497	T064A006	2.1	0.06

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