

## LFMSGSSGO VG95218T66

Halogen-free light comm. cables for marine in acc. with VG 95218 p. 66



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 95218-66

VG 95218-2

VG 95218-2

General

Fire performance

Chemical behaviour

### CABLE DESIGN

Conductor	Copper: plain, round stranded, in accordance with VG 95218 part 66
Core insulation material	Low smoke zero halogen
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

### ELECTRICAL PARAMETERS

Rated voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 (1.2) kV
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 <sup>2</sup>
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]
5x3x0.4	20320767	T066A001	0.85	12.2	13.9	340
12x3x0.4	20320768	T066A002	0.85	16.9	18.9	610

## CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
5x3x0.4	20320767	T066A001	3.2	0.07
12x3x0.4	20320768	T066A002	2.4	0.07

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