

# LFMGSSGO/LFMGSGO 250 V

## Light communication cables for marine with double or single screen according to VG 95218 part 64



### Application

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).

### Global data

Type designation	LFMGSSGO/LFMGSGO
Standard	VG 95218 part 64

### Design features

Conductor	Copper, plain, round stranded, in accordance with VG 95218 part 64
Insulation	Polyalkene compound
Core identification	In accordance with VG 95218 part 64
Core arrangement	2 cores shall be cabled together as pairs. The pairs shall be cabled together in concentric layers. Pilot and direction shall be the same in all layers.
Screen	Plain copper wire braid (double or single). Over the braid is a transparent foil.
Outer sheath	Compound from crosslinked olefine compound
Outer sheath colour	Black

### Electrical parameters

Rated voltage	250/250 V
Max. permissible operating voltage AC	0.355 kV
AC test voltage	2 kV
Near-end crosstalk attenuation (NEXT)	min. 90 dB (at 10 kHz)
Current Carrying Capacity description	The definitions in BV 3400 apply

### Chemical parameters

Smoke emission	according to VG 95218-2
Acidity of fire gases	according to VG 95218-2
Flame propagation	according to VG 95218-2
Resistance to oil	according to VG 95218-2
Resistance to chemicals	according to VG 95218-2

### Thermal parameters

Max. operating temperature of the conductor	90 °C
Ambient temperature for fix installation min.	-30 °C
Laying temperature min.	-15 °C

### Mechanical parameters

Max. tensile load on the conductor	50 N/mm <sup>2</sup>
Bending radii min.	5 x D

Number of cores x cross section	Part number	Designation acc. to VG 95218-Txxx Dash No.	MLFB Number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius fixed min. mm	Weight (approx.) kg/km	Permissible tensile force max. N	Current carrying capacity (1) A
LFMGSSGO										
2x2x0,4	20320492	T064A001	5BG5 600	0.85	5.8	7	35	85	80	5.1
4x2x0,4	20320493	T064A002	5BG5 601	0.85	7.7	9	45	130	160	4
7x2x0,4	20320494	T064A003	5BG5 602	0.85	9.4	11	55	210	280	3.3
12x2x0,4	20320495	T064A004	5BG5 603	0.85	12.8	14.5	73	320	480	2.7
19x2x0,4	20320496	T064A005	5BG5 604	0.85	13.8	15.7	79	420	760	2.3
27x2x0,4	20320497	T064A006	5BG5 605	0.85	15.5	17.5	88	511	1080	2.1
LFMGSGO										
30x2x0,4	20320498	T064B001	5BG5 610	0.85	17.5	18.7	94	540	1200	2
45x2x0,4	20320499	T064B002	5BG5 611	0.85	20.6	22.7	114	690	1800	1.6

(1) The values are for continuous load at 45 °C ambient temperature, one cable installed on a surface.