

LFMSGSSGO 250 V

Light communication cables for marine with double screen and screened triples according to VG 95218 part 66



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	LFMSGSSGO
Standard	VG 95218 part 66

Design features

Conductor	Copper, plain, round stranded, in accordance with VG 95218 part 66
Insulation	Polyalkene compound
Core identification	In accordance with VG 95218 part 66
Individual screen	Plain copper wire braid over tripels. Over the braid is a transparent foil.
Core arrangement	3 cores shall be cabled together as tripels. The shielded tripels shall be cabled together in concentric layers. Pilot and direction shall be the same in all layers.
Screen	Plain copper wire braid (double). 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. 100 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 ²
Bending radii min.	5 x D

Number of cores x cross section	Part number	MLFB Number	Designation acc. to VG 95218-Txxx Dash No.	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
5x3x0.4	20320767	5BG5 630	T066A001	0.85	12.2	13.9	70	360	300	3.2
12x3x0.4	20320768	5BG5 631	T066A002	0.85	16.9	18.9	95	650	720	2.4

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