

VG 95218 Part 64 (LFMGSSGO / LFMGSGO)

HALOGEN FREE, FLAME RETARDANT LIGHT TELECOM CABLE



CABLE STRUCTURE

Conductor	Electrolytic, stranded, copper wire to DIN EN 60228 Class 2
Insulation	Halogen free cross linked polymeric compound
Core Identification	According to VG 95218 part 64
Covering of Cabling	Wrapped polyester tape with an overlap coverage
Screen A	Copper wire braiding screen with separating foil over braid
Screen B	Copper wire braiding screen with separating foil over braid. (Only for Type A, LFMGSSGO type)
Outer Sheath	Halogen free, cross-linked elastomeric compound.

STANDARDS & MAIN CHARACTERISTICS

Construction	VG 95218 Part 64
Max Permissible Operating Voltage	AC 250V / DC 355V
AC Test Voltage	2 kV
Working Temperature	-30°C / + 90°C
Min Bending Radius (Fixed)	5xD
General Requirements and Tests	VG 95218-2
Current Ratings	VG 95218-5
Flame Retardant	IEC 60332 /1, IEC 60332 / 3-24 Cat. C
Halogen Content	IEC 60754 /1 - 2
Smoke Density	IEC 61034 /1-2 (DIN EN 50268/1-2)

Lowest installation temperature: -15°C

Application

Used as fixed installation cable in telecommunication, signal, radio, radar and information systems in most areas, below and above deck on Navy vessels. They are not designed for continuous installation in water. Comply the general requirements of BV 3400 (Specification for Cable Systems of German Navy Vessels)

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Designation as per VG95218 Part.64 Dash No	Cores x size	Number of the single wires (min)	Wall thickness of insulation nominal	Wall thickness of sheath	Outer Diameter (min- max.)		Cable Weight Approx.	Min. Bending Radius Fixed Installed	Conductor resistance at (20°C) (max)	Insulation resistance (20°C) (min)
	No. x mm ²		mm	mm	mm	mm	kg/km	mm	(Ω/km)	(MΩ·km)
A001	2x2x0,4	7	0,2	0,8	5,8	7,0	80	35	115	1500
A002	4x2x0,4	7	0,2	0,8	7,7	9,0	130	45	115	1500
A003	7x2x0,4	7	0,2	0,9	9,4	11,0	210	55	115	1500
A004	12x2x0,4	7	0,2	1,0	12,8	14,5	320	73	115	1500
A005	19x2x0,4	7	0,2	1,0	13,8	15,7	420	79	115	1500
A006	27x2x0,4	7	0,2	1,1	15,5	17,5	510	88	115	1500
B001	30x2x0,4	7	0,2	1,4	17,5	18,7	480	94	115	1500
B002	45x2x0,4	7	0,2	1,6	20,6	22,7	670	114	115	1500

