

VG 95218 Part 63 (FMSCSGO)

HALOGEN FREE, FLAME RETARDANT 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 63
Individual Screen	Copper wire braiding screen with separating foil under and over braid
Covering of Cabling	Wrapped polyester tape with an overlap coverage
Screen	Copper wire braiding screen with separating foil over braid
Outer Sheath	Halogen free, cross-linked elastomeric compound.

STANDARDS & MAIN CHARACTERISTICS

Construction	VG 95218 Part 63
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.63 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	2x2x0,75	7	0,4	0,8	11,1	12,5	215	63	53,2	800
A002	4x2x0,75	7	0,4	1,0	12,9	14,5	330	73	53,2	800
A003	7x2x0,75	7	0,4	1,0	14,9	16,4	480	82	53,2	800
A004	11x2x0,75	7	0,4	1,2	19,6	21,4	700	107	53,2	800
A005	14x2x0,75	7	0,4	1,2	20,8	22,8	890	114	53,2	800
A006	19x2x0,75	7	0,4	1,4	23,4	25,4	1120	127	53,2	800
A007	24x2x0,75	7	0,4	1,4	26,4	28,4	1420	142	53,2	800

