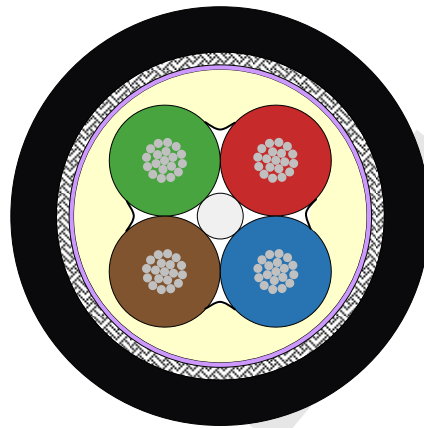


LEONI SeaLine[®]

CAN-BUS

Cable type: 09YSH(ST)CH 2X2X0.9/2.2-120 LI VZN SW FRNC



Design

Wire

Stranded tinned copper wire 19 X 0.18 (21 AWG) (0.48mm²)
Insulation of foamed Polypropylene (PP) with Skin

∅ 0.9 mm (0,035 in)
∅ 2.2 mm (0,087 in)

Core:

Filler as central element

1. layer: 4 wires RD (Printing: L1 Hi), BU (Printing: L2 Lo), BN (Printing: L1 Lo), GN (Printing: L2 Hi)

Plastic tape, overlapped

Inner-Jacket: Thermoplastic copolymer (FRNC)

∅ 5.8 mm (0,228 in)

Alulminate foil overlapped

Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)

Coverage about 85%

∅ 6.4 mm (0,252 in)

Jacket:

Thermoplastic copolymer (FRNC) BK

Wall thickness about 1.0 mm

∅ (8.4 ±0.2) mm (0,331 ±0,008 in)

Printing: LEONI L SeaLine CAN Marine Cable * 09YSH(ST)CH 2X2X0.9/2.2-120 LI * L45467-F19-C26
"sequential length in metres"

Textintervals about 1000 mm

LEONI Special Cables GmbH

Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet

Electrical data at 20°C

Conductor resistance	≤	44	Ohm/km
Insulation resistance	≥	5	GOhm*km
Capacitance (1 kHz)	≈	36	nF/km
Characteristic impedance (1 MHz)		(120 ± 18)	Ohm
Surface transfer impedance of screen up to 30 MHz	≤	250	mOhm/m
Relative velocity of propagation	≈	80	%
Operating voltage (peak)	≤	300	V
Test voltage (wire/wire/screen rms 50Hz 1min)		2000	V

Frequency (MHz)	0.1	1	5	10	20
Attenuation typ. (dB/100m) (dB/100ft)	0,3 (0,1)	1,1 (0,3)	2,8 (0,9)	3,9 (1,2)	5,7 (1,7)

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...
 Screen material acc. to DIN EN 13602 Cu-ETP-A...-B
 Insulating material acc. to DIN EN 50290-2-25 (09YS)
 Jacket material acc. to DIN EN 50290-2-27 (HD 624.7) (IEC 60092-359 / SHF1)

Approved for Marine and Offshore Applications

Germanischer Lloyd Certificate No. 32 525-06 HH
 Det Norske Veritas Certificate No. E-11826
 Lloyds Register Certificate No. 10/20035

Other characteristics:

Flame retardant acc. to IEC 60332-3-22 (Cat. A/F)
 Adapted for use in RS485 applications

Permissible temperature range : -30 °C (-22 °F) up to 80 °C (176 °F)
 Min. bending radius allowed : repeated 8X ø, single 4X ø
 Weight about : 90 Kg/km (61 lb/1000ft)

Designation of order:

L45467-F19-C26
 212004
 09YSH(ST)CH 2X2X0.9/2.2-120 LI VZN SW FRNC
 1000 m (3281 ft) on non-returnable reel

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Date of issue : 11.10.2006

Technical modification reserved

Creator : LSC E / TURAN

Number : **L45467-F19-C26-EN**

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 Supersedes : 16.09.2009 E: 09.11.2006 M: 09.11.2006