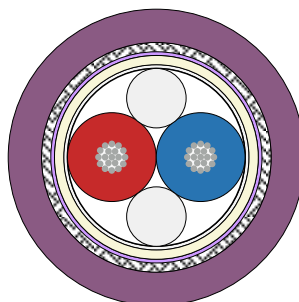


# SeaLine CAN-BUS

Cable type: 09YSH(ST)CH 1X2X0.9/2.4-120 LI VZN VI FRNC



## Design

### Wire

Stranded tinned copper wire 19 X 0.18 (21 AWG) (0.48mm<sup>2</sup>) ø 0.9 mm (0,035 in)  
 Insulation of foamed Polypropylene (PP) with Skin ø 2.4 mm (0,094 in)

### Core

2 wires, RD and BU twisted to a pair with fillers in gaps  
 Plastic tape, overlapped  
 Inner-Jacket: Thermoplastic copolymer (FRNC) ø 5.2 mm (0,205 in)  
 Alulaminat foil overlapped, applied longitudinally  
 Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)  
 Coverage about 85% ø 5.8 mm (0,228 in)

### Jacket

Thermoplastic copolymer (FRNC) VT  
 Wall thickness about 0.95 mm ø (7.7 ±0.2) mm (0,303 ±0,008 in)

Printing: "sequential length in metres" \* BizLink **SeaLine** SCG CAN Marine Cable \* 09YSH(ST)CH  
 1X2X0.9/2.4-120 LI VZN VI FRNC \* L45467-F19-C6 \* "internal lot number"

## 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

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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  
 DNV Certificate No. TAE00001JJ

### Burning characteristics

IEC 60332-1-2, IEC 60332-3-22  
 IEC 61034-2, IEC 60754-1 & -2  
 Def-St. 02-713, IEC 60695-7-1

### Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)

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 : 79 Kg/km (53 lb/1000ft)

### Designation of order

L45467-F19-C6  
 209853  
 09YSH(ST)CH 1X2X0.9/2.4-120 LI VZN VI FRNC  
 1000 m (3281 ft) on non-returnable reel

Product has not been tested and classified according to the CPR (EU/305/2011).  
 The product shall not be permanently installed in buildings in the EU.