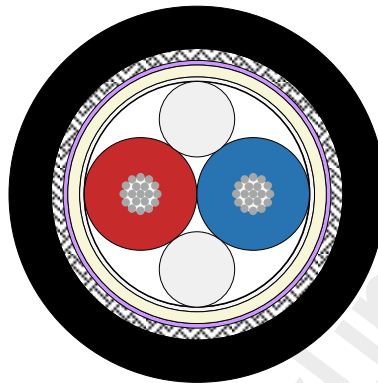


SeaLine

CAN-BUS

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



Design

Wire

Stranded tinned copper wire 19 X 0.18 (21 AWG) (0.48mm²) 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) BK
 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 SW FRNC * L45467-F19-C16 * "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 5min)		5000	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 IEC 60092-360 (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)
 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 \varnothing , single 4X \varnothing
 Weight about : 78 kg/km (52 lb/1000ft)

Designation of order

L45467-F19-C16 211385 1000 m (3281 ft) on non-returnable reel
 L45467-F19-C16-L6 218253 500 m (1640 ft) on non-returnable reel
 09YSH(ST)CH 1X2X0.9/2.4-120 LI VZN SW FRNC

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.

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