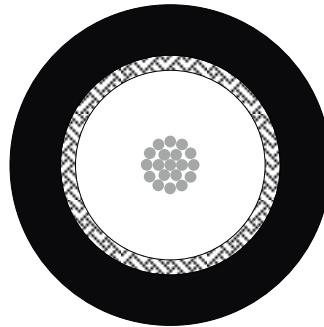


# SeaLine®

Cable type: 2YCH 0.9/2.85-50 LI VZN FRNC RG58 SHF1



## Design

Inner conductor: Stranded tinned copper wire 19 X 0.19 (21 AWG)	∅ 0.93 mm (0,037 in)
Insulation of Polyethylene (PE)	∅ 2.85 mm (0,112 in)
Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)	
Coverage about 95%	∅ 3.4 mm (0,134 in)

## Jacket:

Thermoplastic copolymer (FRNC) BK	
Wall thickness about 0.75 mm	∅ (4.95 ±0.15) mm (0.195 ±0.006 in)

Printing: "sequential length in metres" LEONI L **SeaLine**® \* L45466-B13-B266 \* 2YCH 0.9/2.85-50 LI VZN  
FRNC RG58 SHF1 \* "internal lot number"  
Text intervals about 1000 mm

## Electrical data at 20°C

Conductor resistance	≤	37	Ohm/km
Insulation resistance	≥	10	GOhm*km
Operating voltage (peak)	≤	300	V
Characteristic impedance		(50 ±2)	Ohm
Capacitance 1 kHz	≈	105	nF/km
Relative velocity of propagation		66	%
Test voltage (wire/screen rms 50Hz 1min)		2000	V

Frequency (MHz)	50	100	200	300	500	1000	2000	2500
Attenuation typ. (dB/100m) (dB/100ft)	12 (3,66)	17 (5,18)	27 (8,23)	34 (10,36)	41 (12,50)	65 (19,81)	95 (28,95)	110 (33,53)

**Mechanical and thermal characteristics**

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
 Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table HD (HD 624.3) (2Y)  
 Insulating material acc. to DIN VDE 0207, part 20, compound type EI2  
 Jacket material acc. to IEC 60092-360 (IEC 60092-359) SHF1  
 Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Approved for Marine and Offshore Applications  
 | DNV - GL Certificate No. TAE00003A5

**Other characteristics:**

Similar RG58

RoHS compliant (Directive 2011/65/EC)  
 Determination of the amount of halogen acid gas acc. IEC 60754-1  
 Corrosivity of fumes acc. to IEC 60754-2  
 UV-resistant

Permissible temperature range : -25 °C (-13 °F) up to 80 °C (176 °F)  
 Min. bending radius allowed : repeated 10X ø, single 5X ø  
 Weight about : 39 Kg/km (26 lb/1000ft)

**Designation of order:**

L45466-B13-B266  
 214590  
 2YCH 0.9/2.85-50 LI VZN FRNC  
 1000 m (3281 ft) on non-returnable reel