

# SeaLine®

Cable type: 2YCHX 2.25/7.25-50 LI FRNC RG213 SHF2



## Design

Inner conductor: Stranded bare copper wire 7 X 0.75 (13 AWG)	∅ 2.25 mm (0,089 in)
Insulation of Polyethylene (PE)	∅ 7.25 mm (0.285 in)
Shield braiding of bare copper wires 0.18 mm dia (33 AWG)	
Coverage about 95%	∅ 8.0 mm (0.315 in)

## Jacket:

Thermoplastic copolymer (FRNC) (cross-linked) BK	
Wall thickness about 1.15 mm	∅ (10.3 ±0.2) mm (0,406 ±0,008 in)

Printing: "sequential length in metres" LEONI L SeaLine® \* L45466-B18-B66 \* 2YCHX 2.25/7.25-50 LI FRNC RG213 SHF2 \* "internal lot number"  
Text intervals about 1000 mm

## Electrical data

Conductor resistance	≤	6.2	Ohm/km
Insulation resistance	≥	10	GOhm*km
Capacitance 800 Hz	≈	101	nF/km
Characteristic impedance		(50 ±2)	Ohm
Operating voltage (peak)	≤	250	V
Test voltage (wire/screen rms 50Hz 1min)	=	1500	V

Frequency (MHz)	100	200	300	400	500	1000	1300	2000	2500
Attenuation typ. (dB/100m) (dB/100ft)	7,7 (2,3)	11,1 (3,4)	13,8 (4,2)	16,1 (4,9)	18,2 (5,5)	27 (8,2)	31 (9,4)	40 (12,2)	46 (14,0)

### Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-R...

Screen material acc. to DIN EN 13602 Cu-ETP-A...

Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table HD (HD 624.3) (2Y)

Jacket material acc. to IEC 60092-359 / SHF2

Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Approved for Marine and Offshore Applications

Germanischer Lloyd Certificate No. 59 435-08 HH

### Other characteristics:

Similar RG213

RoHS compliant (Directive 2002/95/EC)

Halogen free

UV-resistant

Permissible temperature range : -40 °C (-40 °F) up to 80 °C (176 °F)

Min. bending radius allowed : repeated 10X  $\emptyset$ , single 5X  $\emptyset$

Weight about : 160 kg/km (108 lb/1000ft)

### Designation of order:

L45466-B18-B66

214584

2YCHX 2.25/7.25-50 LI FRNC

2000 m (6562 ft) on non-returnable reel