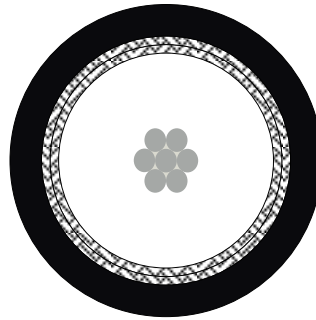


SeaLine

Cable type: 2YCCH 2.25/7.25-50 LI VS FRNC RG214 SHF1



Design

- Inner conductor: Stranded silver-plated copper wire 7 X 0.75 (13 AWG) ø 2.25 mm (0,089 in)
- Insulation of Polyethylene (PE) ø 7.25 mm (0.285 in)
- 1. Shield braiding of silver-plated copper wires 0.15 mm dia (35 AWG) ø 7.9 mm (0,311 in)
 - Coverage about 90%
- 2. Shield braiding of silver-plated copper wires 0.15 mm dia (35 AWG) ø 8.5 mm (0,335 in)
 - Coverage about 95%

Jacket

Thermoplastic copolymer (FRNC) BK
 Wall thickness about 1.15 mm ø (10.8 ±0.3) mm (0,425 ±0,012 in)

Printing: "sequential length in metres" BizLink **SeaLine** SCG * L45466-B18-B76 * 2YCCH 2.25/7.25-50 LI VS FRNC RG214 SHF1 * IEC 60332-3-22 * "internal lot number"
 Textintervals about 1000 mm

Electrical data at 20°C

- Conductor resistance ≤ 6.2 Ohm/km
- Insulation resistance ≥ 10 GOhm*km
- Operating voltage (peak) ≤ 250 V
- Characteristic impedance (50 ±2) Ohm
- Capacitance 800 Hz ≈ 101 pF/m
- Relative velocity of propagation 66 %
- Test voltage (wire/screen rms 50Hz 1min) = 5 kV

Frequency (MHz)	100	200	300	400	500	1000	1300	2000	2500
Attenuation typ. (dB/100m) (dB/100ft)	6.9 (2.10)	10 (3.05)	12.5 (3.81)	15 (4.57)	16.8 (5.12)	25 (7.62)	29.8 (9.08)	41.6 (12.68)	49.6 (15.12)

Date of issue : 14.04.2008

Technical modification reserved

Creator : BSCG | R&D | Liebel

Number : **L45466-B18-B76 -EN**

Up-dating : 12.05.2022 Name: Langemeyer
 Supersedes : 15.02.2019 E: 09.03.2010 M: 12.05.2022

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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 60092-360 (IEC 60092-359) SHF1
Flame retardant acc. to IEC 60332-3-22 (Cat. A)

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

Other characteristics

Similar RG214

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)
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 : 191 Kg/km (128 lb/1000ft)

Designation of order

L45466-B18-B76
214585
2YCCH 2.25/7.25-50 LI VS 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.