



# Profibus Cable



**Copper bare, 7 strands**

**Insulation** PE foamed with skin

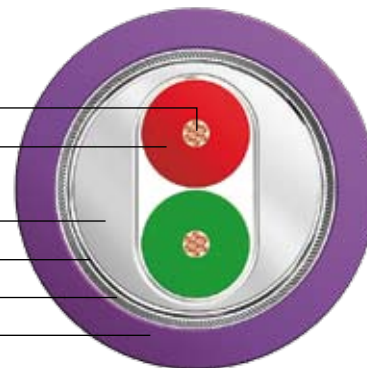
**Inner jacket**

thermoplastic copolymer FRNC

**Screen** alu-laminated foil

**Shield** tin-plated copper braid

**Outer jacket** SHF1/SHF2



## Application

Flexible installation on and below deck of commercial ships without constant exposure to oil, grease and other lubricants. The cables meet the technical requirements of IEC 60092-350, IEC 60029-351, IEC 60092-352, IEC 60092-353, IEC 60092-359, IEC 60092-370, IEC 60092-376.

## Marking

Continuous meters LEONI SeaLine Profibus 02YSH(ST)CH 1x2x0,75/2,55-150 LI VI FRNC

## Technical data

Loop resistance	$\leq 110 \Omega/\text{km}$
Insulation resistance	$\geq 16,000 \text{ M}\Omega \cdot \text{km}$
Charac. impedance [3–20 MHz]	$150 \pm 15 \Omega$
Capacity [1KHz]	$\approx 28.5 \text{ nF/km}$
Operating voltage	$\leq 60 \text{ V}$
Testing voltage (core/core/shield)	1000 V

## Mechanical properties

Temperature range	during operation	<b>-25 °C to +80 °C</b>
	during installation	<b>-10 °C to +50 °C</b>
Bending radius	during operation	5 x D
	during installation	10 x D

## Burning characteristics

IEC 60332-1-2-2, IEC 61034, IEC 60754-1 & -2, IEC 60332-3-22

## Cable construction

Designation	Core-Ø [mm]	Cable-Ø [mm]	Weight [kg/km]	Colour code	Reference
	nom.	nom.	nom.		
02YSH(ST)CH 1x2x0.75/2.55-150 LI VI FRNC	2.55	8.0	84		L45467-G17-C46 (SHF2)
02YSH(ST)CHX 1X2X0.75/2.55-150 LI VI FRNC	6.2	8.0	84		L45467-G17-C56 (SHF2)