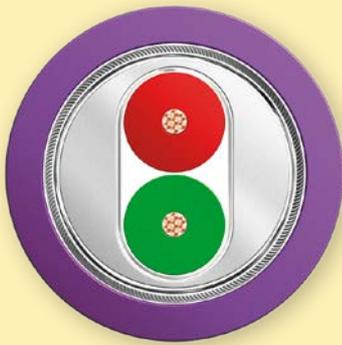


LEONI FieldLink®

PROFIBUS DP
for shipbuilding
and offshore applications



Characteristics:

- Easy to strip
- Flame retardant
- Halogen free
- Oil resistant
- ROHS compliant
- Smoke density



Germanischer Lloyd

PROFIBUS with shipbuilding approvals

LEONI produces and develops cables for civil and military vessels, for offshore deployment, including cables for towing and underwater applications. Cable systems are also available and are manufactured according to customer requirements.

Complementing and further supporting the marine cable range, LEONI offers a variety of marine bus cables for the automation facilities of the vessels e.g. Ethernet, PROFIBUS, AS-Interface and CAN.

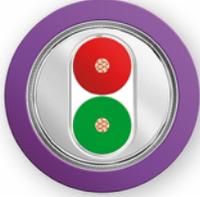
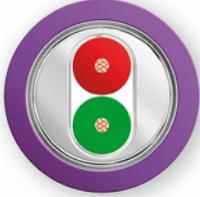
The PROFIBUS cable for shipbuilding is especially designed for flexible installation on and below decks of commercial ships and for oil platforms without constant exposure to oil, grease and other lubricants. The cable meets the technical requirements of IEC and are certified by the following maritime and offshore approvals:

- Lloyds Register of Shipping
- Bureau Veritas
- ABS Europe
- Det Norske Veritas
- Germanischer Lloyd.

In addition to the PROFIBUS cable with SHF-1 jacket, LEONI also offers a PROFIBUS type with SHF2-jacket which has an excellent oil resistance.

LEONI

Overview PROFIBUS DP cables

	PROFIBUS DP	PROFIBUS DP
		
Application	ES cable for flexible installation in marine applications (easy to strip, FRNC),2x22AWG7	ES cable for flexible installation in marine applications (easy to strip, FRNC),2x22AWG7
Conductor	Stranded bare copper wire Ø 0.76 mm (0.030 in), insulation of foamed Polythylene (PE) with skin Ø 2.55 mm (0.100 in)	Stranded bare copper wire Ø 0.75 mm (0.030 in), insulation of foamed Polythylene (PE) with skin Ø 2.55 mm (0.100 in)
Core	2 wires twisted to a pair, plastic tape overlapped, inner jacket: FRNC	2 wires twisted to a pair, plastic tape overlapped, inner jacket: FRNC
Shield	Alulminate foil overlapped, applied longitudinally, shield braiding of tinned copper wires Ø 0.15 mm	Alulminate foil overlapped, applied longitudinally, shield braiding of tinned copper wires Ø 0.15 mm
Jacket	Thermoplastic copolymer (FRNC) violet Ø 8.0 ± 0.4 mm (0.315 ± 0.016 in)	Thermoplastic copolymer (FRNC) violet Ø 8.0 ± 0.4 mm (0.315 ± 0.016 in)
Characteristics	Flame retardant acc. to IEC 60332-1-2 and 60332-3-22 (CAT. A/F), halogen free acc. to IEC 60754, smoke density acc. to IEC 61034, oil resistant acc. to EN 60811-2-1 (24 hours/100 °C), sunlight resistant, Maritime and offshore approvals: Germanischer Lloyd, Lloyds Register of Shipping, ABS Europe, Bureau Veritas, Det Norske Veritas	Flame retardant acc. to IEC 60332-1-2 and 60332-3-22 (CAT. A/F), halogen free acc. to IEC 60754, smoke density acc. to IEC 61034, oil resistant acc. to EN 60811-2-1 (24 hours/100 °C), sunlight resistant, Maritime and offshore approvals: Germanischer Lloyd, Lloyds Register of Shipping, ABS Europe, Bureau Veritas, Det Norske Veritas
Type designation	02YSH(ST)CH 1x2x0.75/2.55-150 LI VI FRNC	02YSH(ST)CHX 1x2x0.75/2.55-150 LI VI FRNC
Order number	L45467-G17-C46	L45467-G17-C56

