



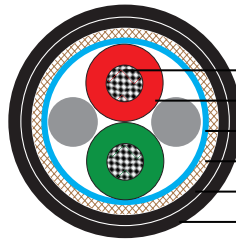
PROFIBUS 1 Pair 0.35mm²

Application

These profibus cables are dedicated for fixed installation on board of ship, used as connection cables for digital signals up to 12MBd.

Standards

- DIN VDE 0472 part 805
- IEC 60332-1&2
- IEC 60754-1/2
- IEC 61034



- ▶ Stranded Copper Conductor
- ▶ Foam polyethylene Insulation
- ▶ Al/polyester Tape
- ▶ Tinned Copper Braid
- ▶ Halogen-free polymer HM4 Inner Sheath
- ▶ LSOH (SHF1) Outer Sheath

Construction

- Conductors: Stranded bare copper.
- Insulation: Foam polyethylene (cellular HDPE).
- Overall Screen1: Aluminium/polyester tape.
- Overall Screen2: Tinned copper braid.
- Inner Sheath: Halogen-free polymer HM4.
- Outer Sheath: LSOH (SHF1).

Core Identification

Core 1: Red
Core 2: Green

Electrical Characteristics

Characteristic Impedance	Ω	150 ± 15
Mutual Capacitance @800MHz	nF/km	30
Insulation Resistance	MΩ.km	16000
Attenuation @9.6kHz	dB/km	3
Attenuation @38.4kHz	dB/km	5
Attenuation @4kHz	dB/km	22
Attenuation @16kHz	dB/km	45



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $10 \times OD$

Temperature Range: $-35^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

Part No.	Construction No. of elements \times No. of cores in element \times Cross section (mm^2)	Core Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN-02Y(ST)CH-1 \times 2 \times 0.35	1 \times 2 \times 0.35	2.75	10.3	110

