



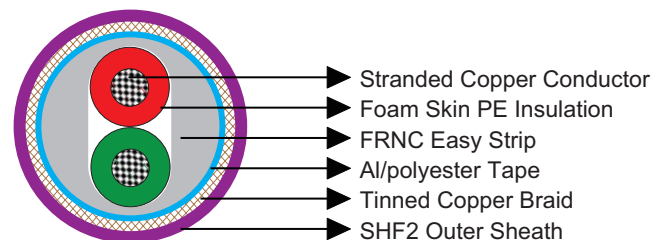
PROFIBUS 1 Pair 22 AWG

Application

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

Standards

- IEC 60332-1&2
- IEC 60754-1/2
- IEC 61034
- IEC 60092



Construction

- Conductors: Stranded bare copper 22 AWG.
- Insulation: Foam skin PE.
- Easy Strip: Thermoplastic copolymer (FRNC).
- Overall Screen1: Aluminium/polyester tape.
- Overall Screen2: Tinned copper braid.
- Outer Sheath: SHF2.

Core Identification

Core 1: Red
 Core 2: Green

Electrical Characteristics

Characteristic Impedance	Ω	150 \pm 15
Mutual Capacitance @1KHz	nF/km	28.5
Insulation Resistance	M Ω .km	16000
Attenuation @9.6kHz	dB/km	2.5
Attenuation @38.4kHz	dB/km	4
Attenuation @4kHz	dB/km	22
Attenuation @16kHz	dB/km	42



Caledonian

Any inquiries, please feel free to contact
enquiry@shipboard-cables.com or sales@shipboard-cables.com



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $10 \times OD$
Temperature Range: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm ²)	Core Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN- 02YSH(ST)CH-1×2×22A	1×2×22 AWG	2.55	8.0	84

