



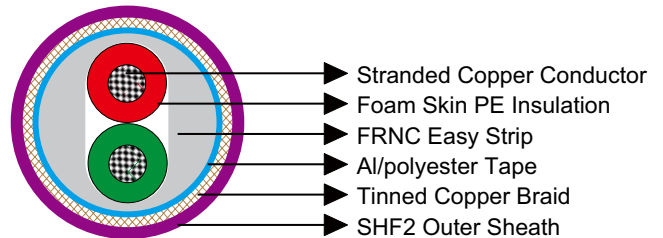
## PROFIBUS 1 Pair 22 AWG

### 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	$\Omega$	$150 \pm 15$
Mutual Capacitance @1KHz	nF/km	28.5
Insulation Resistance	M $\Omega$ .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





### 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 $\times$ No. of cores in element $\times$ Cross section ( $\text{mm}^2$ )	Core Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN- 02YSH(ST)CH-1 $\times$ 2 $\times$ 22A	1 $\times$ 2 $\times$ 22 AWG	2.55	8.0	84

