



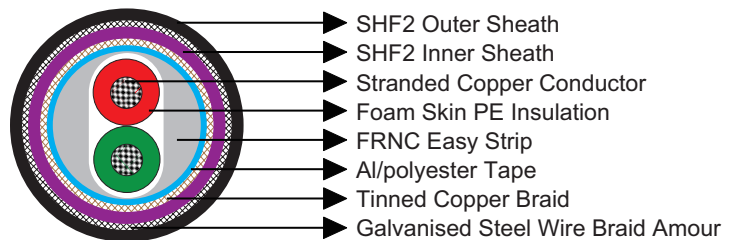
## Armoured PROFIBUS 1 Pair 22 AWG

### 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.
- Inner Sheath: SHF2.
- Armour: Galvanised Steel Wire 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:  $-30^{\circ}C \sim +75^{\circ}C$

## Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Core Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN- 02YSH(ST)CHSWBH-1×2×22A	1×2×22 AWG	2.55	10.65	180

