



**PROFIBUS 1 Pair 22 AWG**

<b>Application</b>	These profibus cables are dedicated for fixed installation on board of ship, used as connection cables for digital signals up to 12MBd.
<b>Standards</b>	IEC 60332-1&2 IEC 60754-1/2 IEC 61034 IEC 60092
<b>Construction</b>	
<b>Conductors</b>	Stranded bare copper 22 AWG.
<b>Insulation</b>	Foam skin PE.
<b>Inner Sheath</b>	Thermoplastic copolymer (FRNC).
<b>Overall Screen1</b>	Aluminium/polyester tape.
<b>Overall Screen2</b>	Tinned copper braid.
<b>Outer Sheath</b>	SHF2.
<b>Core Identification</b>	Core 1: Red Core 2: Green

**Electrical Characteristics**

<b>Characteristic Impedance</b>	Ω	150 ± 15
<b>Mutual Capacitance @1KHz</b>	nF/km	28.5
<b>Insulation Resistance</b>	MΩ.km	16000
<b>Attenuation @9.6kHz</b>	dB/km	2.5
<b>Attenuation @38.4kHz</b>	dB/km	4
<b>Attenuation @4kHz</b>	dB/km	22
<b>Attenuation @16kHz</b>	dB/km	42

**Mechanical and Thermal Properties**

Bending Radius for Fixed Installations: 10×OD

Temperature Range: -25°C ~ +80°C

**Dimensions and Weight**

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Core	Nominal	Nominal Weight kg/km
		Diameter mm	Overall Diameter mm	
UE092- 02YSH(ST)CH- 1×2×22A	1×2×22 AWG	2.55	8.0	84