



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.	
Inner Sheath	Thermoplastic copolymer (FRNC).	
Overall Screen1	Aluminium/polyester tape.	
Overall Screen2	Tinned copper braid.	
Intermediate Sheath	SHF2.	
Armour	Galvanised Steel Wire Braid.	
Outer Sheath	SHF2.	
Core Identification	Core 1: Red Core 2: Green	
Electrical Characteristics		
Characteristic Impedance	Ω	150 ± 15
Mutual Capacitance @1KHz	nF/km	28.5
Insulation Resistance	MΩ.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×OD

Temperature Range: -30°C ~ +75°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
UE092- 02YSH(ST)CHSWBH- 1×2×22A	1×2×22 AWG	2.55	10.65	180