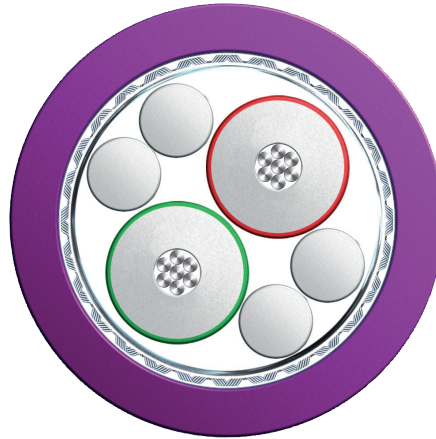


PROFIBUS DP 1x2x22AWG/7  
<DNV Approved>



## Application

This cable is designed for industrial field bus systems of automation and communication, designed for ship and offshore use, designed for fixed applications, such as process control and automation.

## Cable Design

Conductor	7/0.254mm stranded tinned copper wire
Insulation	PE-Foamed $\varnothing$ 2,55 $\pm$ 0,10 mm
Pair Identification	Red / Green
Fillers	PP
Foil shield	Overall Aluminium/polyester foil
Braid	Tinned Copper Wire Braid, $\geq$ 60% coverage
Outer Jacket	SHF1 or SHF-2 Violet
Outer Jacket Thickness	$\approx$ 1,0 mm approx.
Overall Diameter	$\varnothing$ 7,80 $\pm$ 0,40 mm

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## Electrical Characteristics(20 °C)

Mutual Capacitance C-C (nominal)	28 pF/m @800Hz
Conductor DC resistance	≤ 55 Ω/km
Test Voltage	DC 1KV/1 min, no break down
Nominal Velocity of propagation	78 %
Insulation DC resistance	≥ 4 GΩ.km
Characteristic impedance @ 9.6kHz	270 ± 27 Ω
Characteristic impedance @ 38.4kHz	185 ± 18.5 Ω
Characteristic impedance: @ 3-20MHz	150 ± 15 Ω
Attenuation @ 9.6kHz	≤ 2.5 dB/km
Attenuation @ 38.4kHz	≤ 3.8 dB/km
Attenuation @ 200kHz	≤1 1.0 dB/km
Attenuation @ 4MHz	≤ 22.0 dB/km
Attenuation @ 16MHz	≤ 42.0 dB/km

## Other Characteristics

Operating temperature:	-40 °C to +80 °C
Installation temperature:	-20 °C to +60 °C
Acid Gas Release Mounts:	≤ 5mg/g (IEC 60754-1)
Burning Occur Gas Acidity :	PH ≥ 4.3 (IEC 60754-2)
Burning Occur Gas conductivity:	< 10 μS/mm (IEC 60754-2)
Smoke density:	≥ 60% (IEC 61034-2)
Flame resistance:	IEC 60332-3-22, IEC 60332-3-24, IEC 60332-1-2
Oil resistance:	IRM902, 70 °C × 4h
UV resistance:	UL1581 section I200
The jacket material performance:	IEC 60092-360
This cable meets RoHS requirements	



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## Specification

Part Number	Type
AMDP122-UAZF1	Armada® PROFIBUS DP 1x2x22AWG/7 SHF-1 DNV certified - Violet
AMDP122-UAZF2	Armada® PROFIBUS DP 1x2x22AWG/7 SHF-2 DNV certified - Violet