



# CAN Bus Marin 1 pair, SHF2

Flexible 1x2x0.75/0.75mm<sup>2</sup>

Tinned CU conductors

SHF2, UV

DNV

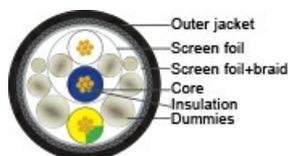
## Application

Designed for CAN Bus systems for ship and offshore according to the NVEA 200 standard for transferring signals at 250 kbits/s. The cable with its high anti-interference ability and outstanding reliability is well suited for industrial and offshore installations.



## Construction

Conductor	Stranded tinned Cu 0.75mm <sup>2</sup> (24 x 0.20 mm)
Protective conductor	Stranded tinned Cu 0,75 [mm <sup>2</sup> ]
Insulation	Cellular PE Ø = 2,95 ± 0,8 [mm]
No. of pairs	1 White / Blue
Individual Screen pairs	Al/Mylar tape 100% [coverage]
Screen	Al/mylar + tinned Cu-braid >80 [% optical coverage]
Jacket	Black SHF2
O.D.	8,70 ± 0,40 [mm]
Weight	203 [kg/km]



## Specifications

Operating temperature normal	-40 – +80 [°C]
Operating voltage	100 [V]
Test Voltage	1000 [V] -1min.
Conductor resistance	<26 [Ω/km]
Insulation resistance	>1 [GΩ x km]
Capacitance	40 [pF/m]
Impedance	120 [Ω] ± 10%
Attenuation	<25 dB/km at 1 MHz
Transmission speed	- 500 kbit/s - 100 m (328 ft) - 250 kbit/s - 250 m (820 ft)
Min. bending radius flexible	20 [x outer diam]
Min. bending radius installed	10 [x outer diam]



## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1-2
Ozone resistant	IEC 60811-2-1 300h
Smoke emission	IEC 61034-2 ≥60%
Oil and fuel resistant	IRM 902 100°C x 24h
UV-resistant	UL 1581 (300H)
Certification	DNV

Part No.	3020003
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## Updated

Date	Rev.	Description
12.06.2019	1	Part No.