



# CAN Bus Marin 2 pair SHF2, TCu

**Flexible 0.75 mm<sup>2</sup>**  
**2-pair quad**  
**Tinned conductors**  
**DNV**

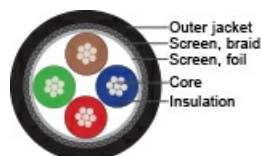
## Application

Designed for CAN Bus system for ship- and offshore installations for transferring of signals at 250 kbit/s. The cable, with its high anti-interference ability and outstanding reliability is well suited for use in ship- and offshore installations. Produced according To NMEA 2000 Certification Requests.



## Construction

Conductor	Flexible tinned Cu 0.75mm <sup>2</sup> (24 x 0.20 mm)
Insulation	Foamskin PE 2.95 ± 0.05 [mm]
No. of pairs	2 Pair 1, green/blue Pair 2, red/brown
Screen	Al/Mylar
Screen 2	Tinned Cu braid 80 [% optical coverage]
Jacket	Black SHF2
O.D.	10.5 [mm]
Weight	140 [kg/km]
Jacket marking	NEK Kabel - CAN Bus Marine SHF2 2x2x0.75mm <sup>2</sup> - DNV - IEC 60332-3-22 - dd/mm/yyyy - ****m



## Specifications

Operating temperature normal	-40 – +90 [after inst]
Operating voltage	100 [V]
Test Voltage	1 [kV] for 1 min.
Characteristic Impedance @ 1MHz	120 ± 12 [Ω]
Conductor resistance	<26 [Ω/km]
Insulation resistance	1 [GΩ x km]
Capacitance	40 [pF/m] at 800 - 1000 Hz
Attenuation	13.2 dB/km @ 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
Flame resistance	IEC 60332-3-22 Cat.A
Ozone resistant	DIN VDE 0472 part 805B
Smoke emission	IEC 61034-1 & IEC 61034-2
Oil and fuel resistant	IRM 902 100°C x 24h
Certification	DNV



Part No.	1087386
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Available ABS approved: Part no. 1087381, black and Part no. 1091046 purple.