



CAN Bus Marin 1 pair, SHF1

Flexible 0.75 mm²
Tinned CU conductors
DNV-GL



sales@fscglobal.com

Application

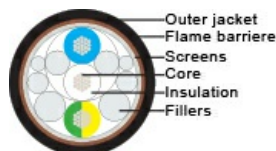
Designed for CAN-Bus system for ships, according to the NMEA 2000 standard for transferring signals at 250 kbit/s. The cable, with its high anti-interference ability and outstanding reliability is well suited for use in ships- and offshore installations.



Construction

Conductor	0.75 [mm ²] Flexible Tinned Cu class 5 24 x 0.20 [mm]
Drain wire	Insulated earth wire Y/G Tinned Cu 0.75mm ² (24 x 0.20 mm)
Filler	Cotton yarn
Insulation	Foamskin PE Ø = 2.95 ± 0.05 [mm]
No. of pairs	1
Colour code	white-blue
Sheath	Individual Al/Mylar
Screen	Tinned Cu-braid > 80 [% coverage]
Jacket	Black SHF1
O.D.	11.2 [mm]
Weight	170 [kg/km]

Jacket marking
NEK Kabel Canbus Marine 1x2x0.75mm² SHF1 - IEC 60332-3-22 *****METERS - DD/MM/YY



Specifications

Operating temperature	-40 - +90 [°C]
Operating voltage	100 [V]
Test Voltage	1 [kV-DC]
Conductor resistance	≤26 [Ω/km]
Insulation resistance	≥1 [GΩ x km]
Capacitance	40 [pF/m @ 800-1000MHz]
Impedance	120±12 [Ω@1MHz]
Attenuation	≤ 13,2 [dB/km@1MHz]
Min. bending radius	10 [x outer diam]
Min. bending radius flexible	20 [x outer diam]





Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Design and testing standards	IEC 60092-353
Sheathing material	NEK 606
Flame retardant	IEC 60332-1-2
Fire retardant	IEC 60332-3-22 Cat.A
Ozone resistant	300h
Oil and fuel, hydrocarbons resistant	IEC 60811-2-1 IRM 902 23°C / 7 days, 70°C / 4h
Smoke emission	IEC 61034-1, -2
Transmission performance	ISO 11898
Certification	DNV-GL
Part No.	1091090

Updated

Date	Rev.	Description
05.04.2019	1	DNV-GL Approval
04.06.2019	2	Added information