CAN Bus Marin 2 pair, SHF1

Flexible, 0.75 mm²
2 pair Quad
Tinned CU-conductors
DNV-GL

sales@fscglobal.com

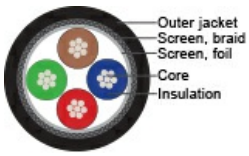
Application

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-inferance ability and outstanding reliability is well suited for use in ships- and offshore installations.

Construction

Conductor	0.75 [mm²] Flexible Tinned Cu class 5 24 x 0,20 [mm]
Insulation	Foamskin PE Ø=2.95 ± 0.05 [mm]
No. of pairs	2 , laid up as a quad
Colour code	1. green-blue, 2. red-brown
Screen	AL/Mylar
Screen 2	Tinned Cu-braid ≥80% [optical cover]
Jacket	Black SHF1
O.D.	10.5 [mm]
Weight	165 [kg/km]

Jacket marking
NEK Kabel Canbus Marin 2x2x0.75mm² SHF1 - IEC 60332-3-22 *****METERS - DD/MM/YY



Specifications

Operating temperature	-40 – +80 [°C]
Test Voltage	1 [kV-DC] 1 min.
Characteristic impedance	120 ± 12 [Ω @ 1MHz]
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 flexible	15 [x outer diam]
Min. bending radius installed	10 [x outer diam]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Sheathing material	NEK 606
Flame retardant	IEC 60332-1-2
Fire retardant	IEC 60332-3-22 Cat.A
Ozone resistant	IEC 60811-2-1 300h
Oil and fuel, hydrocarbons resistant	IEC 60811-2-1 IRM 902 23ºC / 7 days, 70°C / 4h
Smoke emission	IEC 61034-1, -2
Transmission performance	ISO 11898
UV-resistant	UL 1581 (300H)
Certification	DNV-GL
Part No.	1091091

Updated

Date	Rev.	Description
05.04.2019	1	DNV-GL Approval
15.04.2019	2	Additional information
07.06.2019	3	Additional information
19.06.2019	4	UV information