CAN Bus Marin 1 pair, SHF1

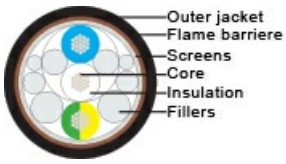
Flexible 0.75 mm²
Tinned CU conductors
DNV

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] stranded tinned Cu 24 x 0.20 [mm]
Insulation	Foamskin PE Ø = 2.95 ± 0.05 [mm]
Screen	Individual Al/Mylar
No. of pairs	1
Colour code	white-blue
Drain wire	Insulated earth wire Y/G Tinned Cu 0.75 mm² (24 x 0.20 mm)
Screen	Al/mylar + 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 - DNV - - IEC 60332-3-22 *****METERS - DD/MM/YY



Specifications

Operating temperature normal	-40 - +80 [°C]
Temperature @ installation	-20 – +60 [°C]
Operating voltage	100 [V]
Test Voltage	1 [kV-DC]
Conductor DC resistance	≤26 [Ω/km]
Insulation resistance	≥1 [GΩ x km]
Capacitance	40 [pF/m @ 800-1000Hz]
Impedance	120±12 [Ω@1MHz]
Attenuation	≤ 25 [dB/km@1MHz]
Transmission speed	- 500 kbit/s - 100 m (328 ft) - 250 kbit/s - 250 m (820 ft)
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 & 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
Smoke emission	IEC 61034-1 & IEC 61034-2
Oil and fuel resistant	IEC 60811-2-1 IRM 902 4h @ 70°C
UV-resistant	UL 1581 (300H)
Certification	DNV

RoHS CE

Part No.	1091090

Updated

Date	Rev.	Description
05.04.2019	1	DNV-GL Approval
04.06.2019	2	Added information
07.05.2020	3	Temp.range and UV-resist.
24.08.2020	4	Temp.range and attenuation