CAN Bus Marin 1x2x0.75mm², SHF1

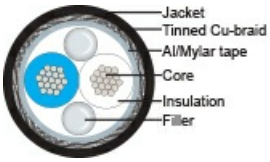
Flexible 0.75 mm²
Tinned CU conductors
SHF1
DNV

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] Flexible tinned Cu class 5 0.75mm² (24 x 0.20 mm)
Insulation	Foamskin PE Ø=2,59±0,10 [mm]
No. of pairs	1
Colour code	white-blue
Filler	PP
Screen	Al/Mylar
Screen 2	Tinned Cu braid >80 [% optical coverage]
Jacket	Black SHF1 , thickness app. 1,05mm
O.D.	8,5 ± 0,40 [mm]
Jacket marking	NEK Kabel AS - CAN Bus Marin 1x2x0.75mm² - IEC 60332-3-22-Cat.A - "batch" - DD-MM-YY - ****M



Specifications

Operating temperature normal	-40 - +80 [°C]
Temperature @ installation	-20 - +60 [°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	≤ 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 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360
Flame resistance	IEC 60332-3-22
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-2 , (≥ 60%)
Oil and fuel resistant	IRM 902 23ºC / 7 days, 70°C / 4h
UV-resistant	UL 1581 seksjon 1200
Certification	DNV

Part No.	1097090