

CAN Bus Marin MUD 1 pair, SHF2

Flexible 0,75 mm²

UV, MUD and chemical resistant

DNV

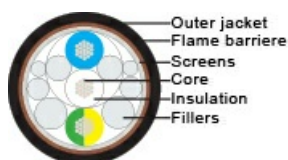
Application

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 antiinterference ability and outstanding reliability is well suited for use in ships- and offshore installations. MUD resistant.



Construction

Conductor	Flexible Plain Cu 0.75mm ² (24 x 0.20 mm)
Protective conductor	Stranded tinned Cu 0,75 [mm ²] polyolefin insulated, y/gr
Insulation	Foamskin PE 2.95 [mm]
No. of pairs	1
Individual Screen pairs	Al-/polyester tape
Screen	Tinned Cu-braid 80 [% optical coverage]
Fire resistant barrier	Flame barriere tape
Inner jacket	SHF1 11.5 [mm]
Jacket	Black SHF2 MUD
O.D.	14 [mm]
Weight	260 [kg/km]
Jacket marking	NEK KABEL CANBUS MARIN 2x0,75mm ² SHF2 MUD RESISTANT



Specifications

Operating temperature normal	-40 – +90 [°C]
Characteristic Impedance @ 1MHz	120 ± 18 [Ω]
Conductor resistance	26 [Ω/km]
Insulation resistance	>1 [GΩ x km]
HF operating voltage	100 [V]
Test voltage	1500
Capacitance pair	40 [pF/m]
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 EN 50305 9.2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 61156-5
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1
Cold bend and impact	CSA C22.2 (-40°C)
Weather resistant	IEC 60502 EN ISO 11507
Ozone resistant	DIN VDE 0472 part 805B
Smoke emission	IEC 61034-1 & IEC 61034-2
Oil and fuel resistant	IEC 60811
MUD resistant	NEK TS 606
UV-resistant	ASTM G 154 ASTM D 4587
Certification	DNV
Part No.	1087382



Updated

Date	Rev.	Description
17.06.2019	1	Overall diameter
13.01.2020	2	Inner jacket