



CAN Bus Marin 1 pair, SHF2

Flexible
0,75 mm²
DNV-GL, ABS

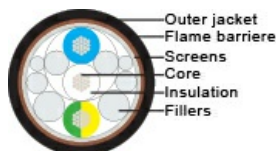
Application

Designed for CAN bus systems. For use in ship- and offshore environments.



Construction

Conductor	Flexible Plain Cu 0.75mm ² (24 x 0.20 mm)
Protective conductor	Stranded tinned Cu 0.75 [mm ²] Insulation polyolefin Y/G
Insulation	Foamskin PE 2,95 [mm]
No. of pairs	1
Individual Screen pairs	Al-/polyester tape 100% [coverage]
Screen	Tinned Cu-braid 80 [% optical coverage]
Fire resistant barrier	Fire barriere tape
Jacket	Black or purple SHF2
Outer diam	11.5 [mm]
Weight	200 [kg/km]
Jacket marking	NEK CANBUS MARIN1 x 2 x 0.75 mm ² SHF2 DNV-GL M Y m-marking



Specifications

Operating temperature	-40 – +90 [°C]
Characteristic Impedance @ 1MHz	120 [Ω]
Operating voltage	100 [V]
Conductor resistance	<26 [Ω/km]
Insulation resistance	≥ 1 [GΩ x km]
Test voltage	1500 [V-AC]
Capacitance	40 [pF/m] at 800 - 1000 Hz
Attenuation	@1 MHz: 13.2 dB/km
Min. bending radius flexible	20 [x outer diam]
Min. bending radius installed	10 [x outer diam]



Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, -2 NES 713
Design and testing standards	IEC 61156-5
Sheathing material	IEC 60092-360 (359)
Flame retardant	IEC 60332-1-2
Fire retardant	IEC 60332-3-22 Cat.A
Ozone resistant	DIN VDE 0472 part 805B
Smoke emission	IEC 61034-1, -2
Field bus specifications	IEC 61158-2 ed. 1
Certification	DNV-GL, ABS
Part No.	1 pair black: 1087380 1 pair purple 1091044



Also available 2pairs: Part no. 2 pair black: 1087381 and purple: 1091046
Also available with MUD resistant jacket, acc. to NEK TS 606,
One pair: Part no. 1087382
Two pairs: Part no. 1087383

Updated

Date	Rev.	Description
16.09.2016	1	ABS approval