



CAN Bus Marin 1 pair, SHF1

Flexible 0.75 mm²
Tinned CU conductors
DNV-GL



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Application

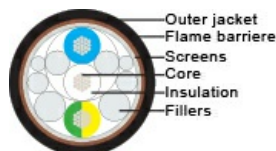
Designed for CAN-Bus system for ships, according to the NMEA 2000 standard for transferring signals at 250 kbit/s. The cable, with its high anti-interference ability and outstanding reliability is well suited for use in ships- and offshore installations.



Construction

| | |
|--------------|---|
| Conductor | 0.75 [mm ²] Flexible Tinned Cu class 5 24 x 0.20 [mm] |
| Drain wire | Insulated earth wire Y/G Tinned Cu 0.75mm ² (24 x 0.20 mm) |
| Filler | Cotton yarn |
| Insulation | Foamskin PE Ø = 2.95 ± 0.05 [mm] |
| No. of pairs | 1 |
| Colour code | white-blue |
| Sheath | Individual Al/Mylar |
| Screen | 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 - IEC 60332-3-22 *****METERS - DD/MM/YY



Specifications

| | |
|------------------------------|-------------------------|
| Operating temperature | -40 - +90 [°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 | ≤ 13,2 [dB/km@1MHz] |
| 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, 2 |
| Design and testing standards | IEC 60092-353 |
| Sheathing material | NEK 606 |
| Flame retardant | IEC 60332-1-2 |
| Fire retardant | IEC 60332-3-22 Cat.A |
| Ozone resistant | 300h |
| Oil and fuel, hydrocarbons resistant | IEC 60811-2-1 IRM 902 23°C / 7 days, 70°C / 4h |
| Smoke emission | IEC 61034-1, -2 |
| Transmission performance | ISO 11898 |
| Certification | DNV-GL |
| Part No. | 1091090 |

Updated

| Date | Rev. | Description |
|------------|------|-------------------|
| 05.04.2019 | 1 | DNV-GL Approval |
| 04.06.2019 | 2 | Added information |