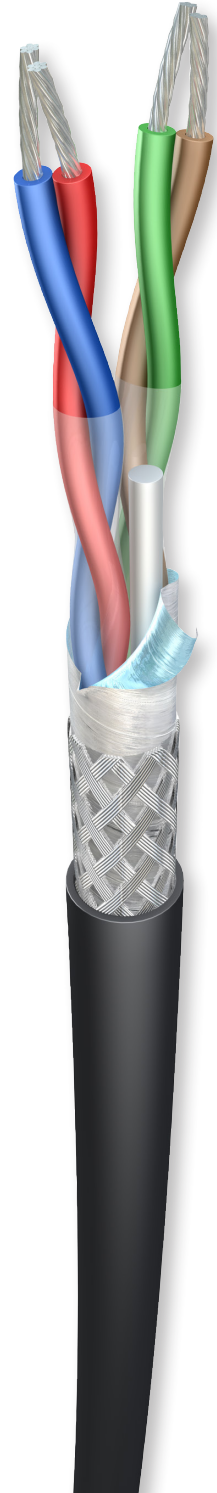


CAN Bus 2x2x18AWG/7 SF/UTP
<DNV Approved>



Application

This cable is designed for industrial field bus systems of automation and communication, designed for ship and offshore use, designed for fixed applications, such as process control and automation. 18AWG/7 TC conductor, PE-Foamed insulation, PP filler, Mylar tape, AL/Mylar and tinned copper braiding shield, SHF jacket.

Cable Design

Conductor	7/0,40mm stranded tinned copper wire
Insulation	Foam PE Ø 2,40 ± 0,10 mm
Pair Identification	Pair 1: Red, Blue Pair 2: Brown, Green
Tape	Mylar
Foil Shield	Overall AL/Mylar
Braid Shield	Tinned copper braiding, coverage ≥ 60%
Outer Jacket	FR-LSZH SHF-1 or XL-FRLSZH SHF2 Black Ø 11,50 ± 0,50 mm

CAN Bus 2x2x18AWG/7 SF/UTP
<DNV Approved>

Electrical Characteristics (20 ° C)

Mutual Capacitance C-C:	≤ 60 pF/m @ 1KHz
Conductor DC resistance:	≤ 26 ohm/km
Test Voltage:	AC 1.5 KV/1 min, no break down
Characteristic impedance:	120 ± 12 ohm @ 1MHz
Attenuation:	≤ 13.2 dB/km @1MHz
Insulation DC resistance:	≥ 1 GΩ.km

Other Characteristics

Operating temperature:	-40 °C to 80 °C
Installation temperature:	-20 °C to 60 °C
Acid Gas Release Mounts:	≤ 5mg/g (IEC 60754-1)
Burning Occur Gas Acidity:	PH ≥ 4.3 (IEC 60754-2)
Burning Occur Gas conductivity:	< 10 μS/mm (IEC 60754-2)
Smoke density:	≥ 60% (IEC 61034-2)
Flame resistance:	IEC 60332-3-22, IEC 60332-3-24, IEC 60332-1
Oil resistance:	IRM902, 70 °C × 4H
UV resistance:	UL 1581 section 1200
The jacket material performance:	IEC 60092-360
This cable meets RoHS requirements	

Specification

Part Number	Type
AMC218-UAZF1	Armada [®] CAN Bus SHF1 Marine Cable 2x2x18AWG/7 <DNV Approved>
AMC218-UAZF2	Armada [®] CAN Bus SHF2 Marine Cable 2x2x18AWG/7 <DNV Approved>