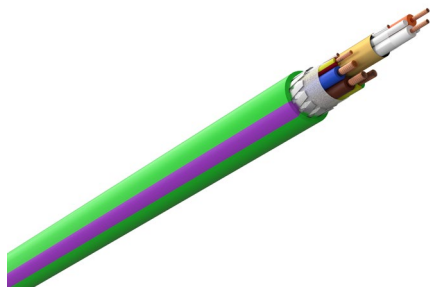


Texiline CanBus Marine Hybrid EMC 3G2,5+1x2x0,75+1x0,75



Application:

DNV-approved Power and Can bus in one cable. Special cable design for installation on ship. It is suitable for a wide range of small to medium sized butterfly- and ball valves. Multi-communication options.

Properties:

Temperature range	-40°C / +90°C
Voltage Rating Power	150/250V
Voltage Rating CanBus	100V

Standards:

Conductor	IEC 60228,5
Construction	IEC 60092-376
Insulation	EN 50363,6
Sheathing	EN 50363,8
Halogen free	IEC 60754-1, -2
Smoke density	IEC 61034-1, -2
Flame retardant	IEC60332-3-24

Approval

DNV	TAE000007D
CE acc 2014/35/EU	

Construction

Power conductor 250V

Conductor	2,5mm ² Class 5 bare copper (tinned on request)
Insulation of 2,5mm ²	XLPE
Insulation colour	Brown, Blue, Yellow/Green

Can bus 100V

Conductor	0,75mm ² Class 5 bare copper (tinned on request)
Insulation of 0,75mm ²	XLPE
Insulation colour	White, Orange
Drain wire tinned copper	0,5mm ²
Lapping helical aluminium tape	
Conductor equal earth potential	0,75mm ² Class 5 bare copper (tinned on request)
Insulation of 0,75mm ²	XLPE
Insulation colour	Yellow/Red

Laying up of elements

Lapping helical textile tape	
Drain wire tinned copper	1mm ²
Screening for EMC	Braided screen of 0,2mm 85% coverage

Outer sheath

Outer sheath	HFFR SHF1
Marking	amo specialkabel AB - TEXILINE CANBUS HYBRID MARINE EMC
Marking	3G2,5+1x2x0,75+1x0,75 – DNV IEC 60332-3-24 – YYWW
Colour	Green with violet stripe
Outer diameter	12,9mm
Min bending radius, fixed installation	5XOD
Min bending radius, flexible installation	6XOD
Weight	225kg

Electical values CAN bus

capacitance, approx.	50	nF/km
impedance, approx.	120	ohm
Specific Resistance @20°C, max	26	ohm/km