Data and communication cable

MarineCom YOZc 250 V

Article number: 16902 | 02-10-2026

Description

2 x 2 x 0,5 mm²

* This image may differ from the actual product.

Application:

Braided, halogen-free communication cables for control, instrumentation, telecommunications and data transmission on board ships, where additional mechanical and EMI protection is required.

Characteristics (properties):

- Stranded conductors according to IEC 60228 class 2.
- Corrosion-resistant braiding of tinned copper wire for long cable life.
- The XLPE insulation and variable stroke lengths of the pairs ensure perfect electrical properties and low capacitance for minimal signal loss.
- Halogen-free and low smoke development in the event of fire.
- Excellent fire retardant properties.
- High abrasion resistance of the sheath
- Available with grey outer sheath as standard.

Core identification:

- Pairs: numbered white and blue
- Triples: numbered white, blue and red

Trading information

Product group	Data and communication cable
Type	MarineCom YOZc 250 V
Net. Weight	0,099 kg/m
Sheath marking	{Length} 0000 TKF - MarineCom YOZc 250V - 2x2x0,5 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22 {Batch}

Trade lengths

		Minimal order
	(16902 / 8713182137878)	1 MTR

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Trade lengths

		Minimal order
Reel à 500	(16902H X 500/25 / 8713182137892)	1 PCE
Reel à 1000	(16902H X 1000/10 / 8713182137885)	1 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	4
Nominal cross section conductor	0,5 mm²
Conductor material	Copper
Conductor surface	Bare
Conductor category	Class 2 = stranded
Standardization conductor material	IEC 60228
Number of stranding elements	2
Number of conductors per group	2
Core lay-up	Concentric layers
Material core insulation	Crosslinked polyethylene (XLPE)
Core identification	Numbers
Colour insulated wires	White / blue numbered
Binder/filler	Polyester tape
Screen over stranding	Braiding
Construction outer shield	Tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Standardization sheath material	IEC 60092-360
Colour outer sheath	Grey

Subject to technical modifications | No rights can be derived from this information

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Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Flame retardant according to IEC 60332-1-2	Yes
Flame retardant according to IEC 60332-3-22 (Cat A)	Yes
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Very good / Test duration >= 6000 h
Diameter conductor	0,91 mm
Insulation thickness	0,5 mm
Diameter shield wires	0,2 mm
Diameter over braiding	7,2 mm
Nominal outer sheath thickness	1,1 mm
Outer diameter approx.	9,4 mm

Technical characteristics

Min. bending radius during installation	66 mm
Min. permitted bending radius, stationary application/permanent installation	56 mm
Tensile load	30 N
Max. permitted conductor temperature	90 °C
Permitted cable outer temperature during assembling/handling	-20 / 50 °C
Permitted cable outer temperature after assembling without vibration	-40 / 70 °C
Transportation and storage temperature	-40 / 50 °C

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Electrical characteristics

Nominal voltage U	250 V
Test voltage	1.500 V
Conductor AC resistance @ max. cont. Conductor temp.	51,5 Ohm/km
Shield DC resistance	40,4 Ohm/km
Inductance	0,358 mH/km

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