Data and communication cable

MarineCom YOZc 250 V

Article number: 16301 02-10-2026

Description

1 x 2 x 1,5 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	0,098 kg/m
Sheath marking	{Length} 0000 TKF - MarineCom YOZc 250V - 1x2x1,5 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22 {Batch}

Trade lengths

		Minimal order
	(16301 / 8713182116552)	1 MTR

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Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	2
Nominal cross section conductor	1,5 mm²
Conductor material	Copper
Conductor surface	Bare
Conductor category	Class 2 = stranded
Standardization conductor material	IEC 60228
Number of stranding elements	1
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

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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	1,56 mm
Insulation thickness	0,6 mm
Diameter shield wires	0,2 mm
Diameter over braiding	6,3 mm
Nominal outer sheath thickness	1 mm
Outer diameter approx.	8,4 mm

Technical characteristics

Min. bending radius during installation	58 mm
Min. permitted bending radius, stationary application/permanent installation	50 mm
Tensile load	45 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.	16,3 Ohm/km
Shield DC resistance	12,8 Ohm/km
Capacity	95 nF/km
Inductance	0,307 mH/km