Data and communication cable

Marine2Com YOZ2c 250 V

Article number: 17241 02-10-2026

Description

3 x 2 x 1,0 mm²

Application:Application:

Lightweight, individual pair and overall screened, tinned copper wire braided, control, instrumentation, tele- and data cable.

Characteristics (properties):

• Twisted pairs, triples or quads, individual pair and overall screening with both a stranded tinned copper drain wire
• Perfect electrical properties and low capacitance for minimal signal loss
• Halogen-free and low smoke, flame retardant
• Extra mechanical protection and reduced EMI due to the tinned copper braided screen
• Different color outer sheaths, other than grey, available on request

Core identification:

• Pairs & Quads: Numbered white and Blue.
• Triples: Numbered white, Blue and Red.



PRODUCED WITH 100% GREEN ENERGY

* This image may differ from the actual product.

Trading information

Product group	Data and communication cable
Type	Marine2Com YOZ2c 250 V
Net. Weight	0,205 kg/m
Sheath marking	{Length} 0000 TKF - Marine2Com YOZ2c 250V - 3x2x1,0 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22 {Batch}

Trade lengths

		Minimal order
	(17241 / 8713182293000)	1000 MTR
Reel à 500	(17241H X 500/20 / 8713182293024)	2 PCE

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Trade lengths

		Minimal order
Reel à 1000	(17241H X 1000/30 / 8713182293017)	1 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	6
Nominal cross section conductor	1 mm²
Conductor material	Copper
Conductor surface	Tinned
Conductor category	Class 2 = stranded
Standardization conductor material	IEC 60228
Number of stranding elements	3
Number of conductors per group	2
Screen over stranding element	Aluminium polyester tape
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	Foil + 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	1,08 mm
Insulation thickness	0,5 mm
Diameter shield wires	0,2 mm
Diameter over braiding	9,3 mm
Nominal outer sheath thickness	1,2 mm
Outer diameter approx.	12,3 mm

Technical characteristics

Min. bending radius during installation	117 mm
Min. permitted bending radius, stationary application/permanent installation	94 mm
Tensile load	68 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 DC resistance @ 20°C	19,3 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	33,2 Ohm/km
Capacity	95 nF/km
Inductance	0,331 mH/km

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