



## Data and communication cable

## Marine2Com YOZ2c 250 V

Article number: 16293

27-08-2019

**Description**7 x 2 x 0,75 mm<sup>2</sup>**Application:**

Lightweight, individual pair and overall screened, armoured, control, instrumentation, tele- and data cable.

**Characteristics:**

- Twisted pairs, triples or quads, individual pair and overall screening
- 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 colour outer sheaths, other than grey, available on request

**Core identification:**

- Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red

**Trading information**

Product group	Data and communication cable
Type	Marine2Com YOZ2c 250 V
Net. Weight	0,351 kg/m
Sheath marking	{Length} TKF-7x2x0,75 - 250V - CS 90 - mbzh - Marine2Com YOZ2c HALOGEN FREE {Batch}

**Trade lengths**

	(16293 / 8713182055868)
Reel à 500	(16293H X 500/25 / 8713182055851)
Reel à 1000	(16293H X 1000/10 / 8713182055875)

**Construction characteristics**



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Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-376
Conductor material	Copper
Conductor surface	Bare
Core lay-up	Concentric layers
Number of conductors per group	2
Diameter conductor	1.08 mm
Nominal cross section conductor	0.75 mm <sup>2</sup>
Conductor category	Class 2 = stranded
Number of cores	14
Stranding element	Pairs
Number of stranding elements	7
Core insulation	XLPE (VPE)
Construction outer shield	tinned copper braiding
Binder/filler	Polyester tape
Core identification	Numbers
Screen over stranding element	Alpet tape
Overall stranding screen	Foil + braiding
Insulation thickness	0.5 mm
Diameter shield wires	0.3 mm
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Outer diameter approx.	15.8 mm



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**Properties**

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Diameter over braiding	13.2 mm
Nominal outer sheath thickness	1.3 mm
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Tensile load	158 N
Min. bending radius during installation	158 mm
Min. permitted bending radius, stationary application/permanent installation	126 mm

**Technical characteristics**

Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C
Conductor AC resistance @ max. cont. Conductor temp.	33.2 Ohm/km

**Electrical characteristics**

Inductance	0.331 mH/km
Conductor DC resistance @ 20°C	26 Ohm/km
Nominal voltage U	250 V
Test voltage	1500 V
Max. conductor temperature	90 °C
Capacity	95 nF/km