



## Data and communication cable

## MarineCom YOZc X-FR 250 V

Article number: 26500

27-08-2019

**Description**1 x 2 x 0,75 mm<sup>2</sup>**Application:**

Lightweight, fire resistant, armoured, control, instrumentation, tele- and data cable.

**Characteristics:**

- Twisted pairs, triples or quads
- Perfect electrical properties and low capacitance for minimal signal loss
- Fire resistant according to new IEC60331-1/2 due to (amongst other things) XLHFFR isolation
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen
- Different colour outer sheaths, other than orange, 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	MarineCom YOZc X-FR 250 V
Net. Weight	0,087 kg/m
Sheath marking	{Length} TKF-1x2x0,75 - 250V - CS 90 - mbzh - MarineCom YOZc X-FR HALOGEN FREE - FIRE RESISTANT {Batch}

**Trade lengths**

	(26500 / 8713182107789)
Reel à 500	(26500H X 500 / 8713182250652)
Reel à 1000	(26500H X 1000/30 / 8713182099497)

**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	2
Number of stranding elements	1
Core insulation	Mica + XLHFFR
Construction outer shield	tinned copper braiding
Binder/filler	Polyester tape
Core identification	Numbers
Overall stranding screen	Braiding
Insulation thickness	0.6 mm
Diameter shield wires	0.2 mm
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Outer diameter approx.	8.1 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
Insulation integrity in accordance with IEC 60331	Yes
Diameter over braiding	6.1 mm
Nominal outer sheath thickness	1 mm
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Tensile load	23 N
Min. bending radius during installation	81 mm
Min. permitted bending radius, stationary application/permanent installation	65 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