



Data and communication cable

## MarineCom YOZc 250 V

Article number: 16279

24-07-2019

### Description

19 x 2 x 0,75 mm<sup>2</sup>

### Application:

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

### Characteristics:

- Twisted pairs, triples or quads
- 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	MarineCom YOZc 250 V
Net. Weight	0,592 kg/m
Sheath marking	{Length} TKF-19x2x0,75 - 250V - CS 90 - mbzh - MarineCom YOZc HALOGEN FREE {Batch}

### Trade lengths

	(16279 / 8713182055653)
Reel à 1000	(16279H X 1000/10 / 8713182055660)

### Construction characteristics

Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-376



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Conductor material	Copper
Conductor surface	Bare
Core lay-up	Concentric layers
Number of conductors per group	2
Diameter conductor	1.11 mm
Nominal cross section conductor	0.75 mm <sup>2</sup>
Conductor category	Class 2 = stranded
Number of cores	38
Stranding element	Pairs
Number of stranding elements	19
Core insulation	XLPE (VPE)
Construction outer shield	tinned copper braiding
Binder/filler	Polyester tape
Core identification	Numbers
Overall stranding screen	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.	22.5 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	19.3 mm
Nominal outer sheath thickness	1.6 mm
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Tensile load	428 N
Min. bending radius during installation	158 mm
Min. permitted bending radius, stationary application/permanent installation	135 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	60 nF/km