



Data and communication cable

Marine2Com YOZ2c 250 V

Article number: 16290

27-08-2019

Description2 x 2 x 0,75 mm²**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	0,144 kg/m
Sheath marking	{Length} TKF-2x2x0,75 - 250V - CS 90 - mbzh - Marine2Com YOZ2c HALOGEN FREE {Batch}

Trade lengths

	(16290 / 8713182055776)
Reel à 500	(16290H X 500/25 / 8713182055769)
Reel à 1000	(16290H X 1000/10 / 8713182055783)

Construction characteristics



Data and communication cable

Marine2Com YOZ2c 250 V

Article number: 16290

27-08-2019

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 ²
Conductor category	Class 2 = stranded
Number of cores	4
Stranding element	Pairs
Number of stranding elements	2
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	0.2 mm
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Outer diameter approx.	10.9 mm



Data and communication cable

Marine2Com YOZ2c 250 V

Article number: 16290

27-08-2019

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	8.7 mm
Nominal outer sheath thickness	1.1 mm
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Tensile load	45 N
Min. bending radius during installation	109 mm
Min. permitted bending radius, stationary application/permanent installation	87 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