



Data and communication cable

MarineCom YZafc X-FR 250 V

Article number: 26816

02-10-2026

Description2 x 2 x 0,75 mm² (Quad)**Application:**

Special lightweight communication cables with function retention in the event of fire for use in yachts, where no mechanical protection is required, but shielding for EMI is necessary.

Characteristics (properties):

- Stranded conductors according to IEC 60228 class 2.
- Functional integrity in the event of fire in accordance with IEC 60331-1/2.
- Light in weight and small diameter.
- The XLPE insulation and variable stroke lengths of the pairs ensure perfect electrical properties and low capacitance for minimal signal loss.
- Halogen-free and low smoke development in the event of fire.
- Excellent fire retardant properties.
- High abrasion resistance of the sheath
- Available as standard with orange

Core identification:

- Pairs: numbered white and blue
- Triples: numbered white, blue and red



* This image may differ from the actual product.

Trading information

Product group	Data and communication cable
Type	MarineCom YZafc X-FR 250 V
Net. Weight	0,098 kg/m
Sheath marking	{Length} 0000 TKF - MarineCom YZafc X-FR 250V - 2x2x0,75 (Quad) mm ² +90 ° C - LSHF - IEC 60092-376, 60332-3-22, 60331-2 - {Batch}



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Trade lengths

Minimal order

(26816 / 8713182275099)	1 MTR
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Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	4
Nominal cross section conductor	0,75 mm ²
Conductor material	Copper
Conductor surface	Bare
Conductor category	Class 2 = stranded
Standardization conductor material	IEC 60228
Number of stranding elements	1
Number of conductors per group	4
Core lay-up	Concentric layers
Material core insulation	Mica + XLHFFR
Core identification	Numbers
Colour insulated wires	White / blue numbered
Binder/filler	Polyester tape
Screen over stranding	Aluminium polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Standardization sheath material	IEC 60092-360
Colour outer sheath	Orange



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Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Fire resistant	IEC 60331-1/2
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	Limited / Test duration 720 ≤ h <2000
Diameter conductor	1,08 mm
Insulation thickness	0,6 mm
Nominal outer sheath thickness	1 mm
Outer diameter approx.	9,1 mm

Technical characteristics

Min. bending radius during installation	91 mm
Min. permitted bending radius, stationary application/permanent installation	73 mm
Tensile load	45 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	26 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	33,1526 Ohm/km
Capacity	95 nF/km
Inductance	0,331 mH/km