Data and communication cable

MarineCom YOZc X-FR 250 V

Article number: 26552 | 02-10-2026

Description

2 x 2 x 1,5 mm²

Application:

Braided, halogen-free communication cables with fire function retention for control, instrumentation, telecommunications and data transmission on board ships, where additional mechanical and EMI protection is required.

Characteristics (properties):

- Stranded conductors according to IEC 60228 class 2.
- Functional integrity in the event of fire in accordance with IEC 60331-1/2.
- Corrosion-resistant braiding of tinned copper wire for long cable life.
- The XLHFFR isolation and variable stroke lengths of the pairs ensure perfect electrical characteristics 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 outer sheath.

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 YOZc X-FR 250 V
Net. Weight	0,257 kg/m
Sheath marking	{Length} 0000 TKF - MarineCom YOZc X-FR 250V - 2x2x1,5 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22, 60331-2 - {Batch}

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Trade lengths

		Minimal order
	(26552 / 8713182132354)	1000 MTR
Reel à 500	(26552H X 500/20 / 8713182132347)	2 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	4
Nominal cross section conductor	1,5 mm²
Conductor material	Copper
Conductor surface	Bare
Conductor category	Class 2 = stranded
Standardization conductor material	IEC 60228
Number of stranding elements	2
Number of conductors per group	2
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	Braiding
Construction outer shield	Tinned copper braiding
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	1,56 mm
Insulation thickness	0,7 mm
Diameter shield wires	0,3 mm
Diameter over braiding	12,5 mm
Nominal outer sheath thickness	1,2 mm
Outer diameter approx.	14,9 mm

Technical characteristics

Min. bending radius during installation	149 mm
Min. permitted bending radius, stationary application/permanent installation	119 mm
Tensile load	90 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	12,8 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	16,3 Ohm/km
Capacity	105 nF/km
Inductance	0,307 mH/km

Subject to technical modifications | No rights can be derived from this information

Spinnerstraat 15 | P.O. Box 6 | 7481 KJ Haaksbergen | Nederland | Phone: +31 (0)53 573 22 55 | E-mail: info@tkf.nl