Data and communication cable

# MarineCom YOZc X-FR 250 V

Article number: 26505 | 02-10-2026

## Description

7 x 2 x 0,75 mm²

* This image may differ from the actual product.

## 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

## Trading information

| | |
|---|---|
| Product group | Data and communication cable |
| Type | MarineCom YOZc X-FR 250 V |
| Net. Weight | 0,381 kg/m |
| Sheath marking | {Length} 0000 TKF - MarineCom YOZc X-FR 250V - 7x2x0,75 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22, 60331-2 - {Batch} |

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## Trade lengths

| | | Minimal order |
|---|---|---|
| | (26505 / 8713182110628) | 1 MTR |
| Reel à 500 | (26505H X 500/20 / 8713182107918) | 1 PCE |
| Reel à 1000 | (26505H X 1000/30 / 8713182107895) | 1 PCE |

## Construction characteristics

| | |
|---|---|
| Standardization | IEC 60092-350/-360/-376 |
| Number of cores | 14 |
| Nominal cross section conductor | 0,75 mm² |
| Conductor material | Copper |
| Conductor surface | Bare |
| Conductor category | Class 2 = stranded |
| Standardization conductor material | IEC 60228 |
| Number of stranding elements | 7 |
| 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 |


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

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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 |
| Diameter shield wires | 0,3 mm |
| Diameter over braiding | 14,9 mm |
| Nominal outer sheath thickness | 1,3 mm |
| Outer diameter approx. | 17,5 mm |

## Technical characteristics

| | |
|---|---|
| Min. bending radius during installation | 175 mm |
| Min. permitted bending radius, stationary application/permanent installation | 140 mm |
| Tensile load | 158 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. | 33,2 Ohm/km |
| Capacity | 65 nF/km |
| Inductance | 0,331 mH/km |


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