Data and communication cable

# MarineCom YOZc 250 V

Article number: 16903 | 02-10-2026

## Description

4 x 2 x 0,5 mm²

* This image may differ from the actual product.

**Application:**

Braided, halogen-free communication cables 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.
- Corrosion-resistant braiding of tinned copper wire for long cable life.
- 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 with grey outer sheath as standard.

**Core identification:**

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

## Trading information

| | |
|---|---|
| Product group | Data and communication cable |
| Type | MarineCom YOZc 250 V |
| Net. Weight | 0,146 kg/m |
| Sheath marking | {Length} 0000 TKF - MarineCom YOZc 250V - 4x2x0,5 mm² +90 ° C - LSHF - IEC 60092-376, 60332-3-22 {Batch} |

## Trade lengths

| | | Minimal order |
|---|---|---|
| | (16903 / 8713182137908) | 1 MTR |

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## Trade lengths

| | | Minimal order |
|---|---|---|
| Reel à 500 | (16903H X 500/25 / 8713182137922) | 1 PCE |
| Reel à 1000 | (16903H X 1000/10 / 8713182137915) | 1 PCE |

## Construction characteristics

| | |
|---|---|
| Standardization | IEC 60092-350/-360/-376 |
| Number of cores | 8 |
| Nominal cross section conductor | 0,5 mm² |
| Conductor material | Copper |
| Conductor surface | Bare |
| Conductor category | Class 2 = stranded |
| Standardization conductor material | IEC 60228 |
| Number of stranding elements | 4 |
| Number of conductors per group | 2 |
| Core lay-up | Concentric layers |
| Material core insulation | Crosslinked polyethylene (XLPE) |
| 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 | Grey |


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 |
| Flame retardant according to IEC 60332-1-2 | Yes |
| 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 | Very good / Test duration >= 6000 h |
| Diameter conductor | 0,91 mm |
| Insulation thickness | 0,5 mm |
| Diameter shield wires | 0,2 mm |
| Diameter over braiding | 8,5 mm |
| Nominal outer sheath thickness | 1,2 mm |
| Outer diameter approx. | 10,9 mm |

## Technical characteristics

| | |
|---|---|
| Min. bending radius during installation | 76 mm |
| Min. permitted bending radius, stationary application/permanent installation | 65 mm |
| Tensile load | 60 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 AC resistance @ max. cont. Conductor temp. | 51,5 Ohm/km |
| Shield DC resistance | 40,4 Ohm/km |
| Capacity | 60 nF/km |
| Inductance | 0,358 mH/km |