



Data and communication cable

MarineCom YOZc 250 V

Article number: 16277

24-07-2019

Description

10 x 2 x 0,75 mm²

Application:

Lightweight, armoured, control, instrumentation, tele- and data cable.

Characteristics:

- Twisted pairs, triples or quads
- 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 | MarineCom YOZc 250 V |
| Net. Weight | 0,377 kg/m |
| Sheath marking | {Length} TKF-10x2x0,75 - 250V - CS 90 - mbzh - MarineCom YOZc HALOGEN FREE {Batch} |

Trade lengths

(16277 / 8713182055592)

Construction characteristics

| | |
|-------------------------------------|-------------------------|
| Certified for shipboard application | Yes |
| Standardization | IEC 60092-350/-360/-376 |
| Conductor material | Copper |



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| | |
|---------------------------------|--|
| Conductor surface | Bare |
| Core lay-up | Concentric layers |
| Number of conductors per group | 2 |
| Diameter conductor | 1.11 mm |
| Nominal cross section conductor | 0.75 mm ² |
| Conductor category | Class 2 = stranded |
| Number of cores | 20 |
| Stranding element | Pairs |
| Number of stranding elements | 10 |
| Core insulation | XLPE (VPE) |
| Construction outer shield | tinned copper braiding |
| Binder/filler | Polyester tape |
| Core identification | Numbers |
| Overall stranding screen | 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. | 17.3 mm |



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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 | 14.5 mm |
| Nominal outer sheath thickness | 1.4 mm |
| Standardization conductor material | IEC 60228 |
| Standardization sheath material | IEC 60092-360 |
| Tensile load | 225 N |
| Min. bending radius during installation | 121 mm |
| Min. permitted bending radius, stationary application/permanent installation | 104 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 | 60 nF/km |