



Power cable  $\geq 1$  kV, for permanent installation

## MarineSignal YOZs 250 V

Article number: 16240

02-10-2026

### Description

6 x 1,0 mm<sup>2</sup>

### Application:

Lightweight, armoured, reduced diameter cable designed for signal, control & alarm purposes in all ship areas

### Characteristics (properties):

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen-free and low smoke, flame retardant
- Tinned copper wire braid armouring
- Excellent abrasion resistance
- Different colour outer sheaths, other than grey, available on request



\* This image may differ from the actual product.

### Core identification:

- Black numbered

### Trading information

|                |                                                                                   |
|----------------|-----------------------------------------------------------------------------------|
| Product group  | Power cable $\geq 1$ kV, for permanent installation                               |
| Type           | MarineSignal YOZs 250 V                                                           |
| Net. Weight    | 0,154 kg/m                                                                        |
| Sheath marking | {Length} TKF-6x1,0 - 250V - CS 90 - mbzh - MarineSignal YOZs HALOGEN FREE {Batch} |

### Trade lengths

Minimal order

|                         |          |
|-------------------------|----------|
| (16240 / 8713182293055) | 1000 MTR |
|-------------------------|----------|

### Construction characteristics

|                 |                         |
|-----------------|-------------------------|
| Standardization | IEC 60092-350/-360/-376 |
|-----------------|-------------------------|

Power cable  $\geq 1$  kV, for permanent installation

## MarineSignal YOZs 250 V

Article number: 16240

02-10-2026

### Construction characteristics

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Number of cores                    | 6                                                |
| Nominal cross section conductor    | 1 mm <sup>2</sup>                                |
| Conductor material                 | Copper                                           |
| Conductor surface                  | Bare                                             |
| Standardization conductor material | IEC 60228                                        |
| Shape of conductor                 | Round                                            |
| Conductor category                 | Class 2 = stranded                               |
| Material core insulation           | Crosslinked polyethylene (XLPE)                  |
| Core identification                | Colours and numbers                              |
| Colour insulated wires             | Black, with white printed numbers                |
| Screening                          | Yes                                              |
| Construction outer shield          | Tinned copper braiding                           |
| Binder/filler                      | Polyester tape                                   |
| Material outer sheath              | Flame Retardant Halogen Free Polyolefin Compound |
| Colour outer sheath                | Grey                                             |
| Diameter conductor                 | 1,29 mm                                          |
| Insulation thickness               | 0,5 mm                                           |
| Diameter shield wires              | 0,2 mm                                           |
| Diameter over braiding             | 7,6 mm                                           |
| Nominal outer sheath thickness     | 1,1 mm                                           |
| Outer diameter approx.             | 9,8 mm                                           |

Power cable  $\geq 1$  kV, for permanent installation

## MarineSignal YOZs 250 V

Article number: 16240

02-10-2026

### Properties

|                 |                                         |
|-----------------|-----------------------------------------|
| Flame retardant | IEC 60332-1 / IEC 60332-3-22 Cat. A     |
| 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 $\geq 6000$ h |

### Technical characteristics

|                                                                              |             |
|------------------------------------------------------------------------------|-------------|
| Min. bending radius during installation                                      | 69 mm       |
| Min. permitted bending radius, stationary application/permanent installation | 39 mm       |
| Tensile load                                                                 | 90 N        |
| Max. permitted conductor temperature                                         | 90 °C       |
| Transportation and storage temperature                                       | -40 / 50 °C |
| Permitted cable outer temperature during assembling/handling                 | -20 / 50 °C |
| Permitted cable outer temperature after assembling without vibration         | -40 / 70 °C |

### Electrical characteristics

|                                                      |             |
|------------------------------------------------------|-------------|
| Nominal voltage U                                    | 0,25 kV     |
| Test voltage                                         | 1,5 kV      |
| Conductor DC resistance @ 20°C                       | 18,1 Ohm/km |
| Conductor AC resistance @ max. cont. Conductor temp. | 23 Ohm/km   |
| Capacity                                             | 160 nF/km   |
| Inductance                                           | 0,332 mH/km |