Power cable >= 1 kV, for permanent installation

MarineSignal YOZs 250 V

Article number: 16244 | 02-10-2026

Description

5 x 0,75 mm²

* This image may differ from the actual product.

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

Core identification:

- Black numbered

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineSignal YOZs 250 V
Net. Weight	0,111 kg/m
Sheath marking	{Length} TKF-5x0,75 - 250V - CS 90 - mbzh - MarineSignal YOZs HALOGEN FREE {Batch}

Trade lengths

		Minimal order
	(16244 / 8713182054632)	1000 MTR
Reel à 500	(16244H X 500/25 / 8713182054625)	2 PCE
Reel à 1000	(16244H X 1000/10 / 8713182054649)	1 PCE

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Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	5
Nominal cross section conductor	0,75 mm²
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	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	1,08 mm
Insulation thickness	0,5 mm
Diameter shield wires	0,2 mm
Diameter over braiding	6,4 mm
Nominal outer sheath thickness	1,1 mm
Outer diameter approx.	8,6 mm

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
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

Technical characteristics

Min. bending radius during installation	60 mm
Min. permitted bending radius, stationary application/permanent installation	34 mm
Tensile load	56 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	26 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	33,2 Ohm/km
Capacity	140 nF/km
Inductance	0,331 mH/km

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