



Power cable ≥ 1 kV, for permanent installation

MarineSignal YZs 250 V

Article number: 16220

02-10-2026

Description

2 x 1,0 mm²

Application:

Halogen-free, lightweight, unarmoured, 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
- Excellent abrasion resistance
- Different color outer sheaths, other than grey, available on request

Core identification:

- Black numbered



* This image may differ from the actual product.

Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	MarineSignal YZs 250 V
Net. Weight	0,05 kg/m
Sheath marking	{Length} TKF - 2X1,0 - 250 V - CS 90 - mbzh - Marine Signal YZs HALOGEN FREE {Batch}

Trade lengths

		Minimal order
	(16220 / 8713182053925)	1 MTR
Reel à 500	(16220H X 500/25 / 8713182053918)	1 PCE
Reel à 1000	(16220H X 1000/10 / 8713182053932)	1 PCE

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Construction characteristics

Standardization	IEC 60092-350/-360/-376
Number of cores	2
Nominal cross section conductor	1 mm ²
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
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Diameter conductor	1,32 mm
Insulation thickness	0,5 mm
Nominal outer sheath thickness	1 mm
Outer diameter approx.	6,7 mm

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

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Technical characteristics

Min. bending radius during installation	47 mm
Min. permitted bending radius, stationary application/permanent installation	27 mm
Tensile load	30 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	95 nF/km
Inductance	0,332 mH/km