



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp X-FR 0,6/1 kV

Article number: 27101

27-08-2019

Description

2 x 1,5 mm²

Application:

Lightweight, fire resistant, armoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke
- Fire resistant according IEC 60331 1/2
- Tinned copper wire braid armouring
- Different colour outer sheaths, other than orange, available on request



Core identification:

- HD308 S2

Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	MarineLine YOZp X-FR 0,6/1 kV
Net. Weight	0,135 kg/m
Sheath marking	{Length} TKF - 2X1,5 - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp X-FR HALOGEN FREE - FIRE RESISTANT {Batch}

Trade lengths

(27101 / 8713182120832)



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Construction characteristics

Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-353
Number of cores	2
Nominal cross section conductor	1.5 mm ²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 2 = stranded
Core insulation	Mica + XLHFFR
Core identification	Colours and numbers
	Yes
Screening	Yes
Construction outer shield	tinned copper braiding
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Standardization sheath material	IEC 60092-360



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Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Insulation integrity in accordance with IEC 60331	Yes
Diameter conductor	1.56 mm
Insulation thickness	0.7 mm
Diameter shield wires	0.2 mm
Diameter over braiding	8.4 mm
Nominal outer sheath thickness	1.1 mm
Outer diameter approx.	10.6 mm

Technical characteristics

Tensile load	45 N
Min. bending radius during installation	74 mm
Min. permitted bending radius, stationary application/permanent installation	42 mm
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C
Max. conductor temperature	90 °C



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Electrical characteristics

Nominal voltage U0	0.6 kV
Nominal voltage U	1 kV
Test voltage	3500 kV
Conductor DC resistance @ 20°C	12.1 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	15 Ohm/km
Capacity	55 nF/km
Inductance	0.307 mH/km