



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp X-FR 0,6/1 kV

Article number: 27102

27-08-2019

Description

3 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	0,168 kg/m
Sheath marking	{Length} TKF - 3X1,5 - 0,6/1 kV - CS 90 - mbzh - Marineline YOZp X-FR HALOGEN FREE - FIRE RESISTANT {Batch}

Trade lengths

(27102 / 8713182120849)



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Construction characteristics

Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-353
Number of cores	3
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	9 mm
Nominal outer sheath thickness	1.1 mm
Outer diameter approx.	11.2 mm

Technical characteristics

Tensile load	68 N
Min. bending radius during installation	78 mm
Min. permitted bending radius, stationary application/permanent installation	45 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	37 nF/km
Inductance	0.307 mH/km