



Shipboard low voltage cable

MarineLine YOZp X-FR 0,6/1 kV

Article number: 17361

26-07-2017

Description5 G 50 mm²

Lightweight, reduced diameter low voltage power cables for power and lighting applications in all ship areas. High abrasion resistant sheath and easily strippable with ripcord. Halogen-free and low-smoke, flame-retardant in fire conditions, fire resistant acc. IEC 60331. Different sheath colours available on request.

**Trading information**

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YOZp X-FR 0,6/1 kV
Net. Weight	2,923 kg/m
Sheath marking	{Length} TKF - 5G50 - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp X-FR HALOGEN FREE - FIRE RESISTANT {Batch}

Trade lengths

Reel à 1	(17361 / 8713182258245)
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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Number of cores	5
Conductor material	Cu
Shape of conductor	Sector-shaped
Core insulation	Mica + XLHFFR
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Protective conductor	Yes
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Screening	Yes
Construction outer shield	tinned copper braiding
Ripcord	Yes
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange



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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
Insulation integrity in accordance with IEC 60331	Yes
Nominal cross section conductor	50 mm ²
Outer diameter approx.	38.6 mm
Diameter conductor	8.7 mm
Insulation thickness	1 mm
Diameter over braiding	34.2 mm
Diameter shield wires	0.4 mm
Nominal outer sheath thickness	2.2 mm
Min. bending radius after installation	154 mm
Min. bending radius during installation	270 mm
Tensile load	3750 N

Technical characteristics

Test voltage	3500 V
Nominal voltage U ₀	0.6 kV
Nominal voltage U	1 kV
Conductor DC resistance @ 20°C	0.387 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.49 Ohm/km
Inductance	0.212 mH/km
Capacity	82 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C