



Shipboard low voltage cable

MarineLine YOZp 0,6/1 kV

Article number: 16481

25-07-2017

Description

4 x 185 sv's

Armoured, lightweight, reduced diameter low voltage cables for power and lighting applications in all ship areas where extra mechanical and EMC protection is needed. The tinned copper braid is highly corrosion resistant which ensures a long cable lifetime. Halogen-free and low-smoke, flame-retardant in fire conditions.

**Trading information**

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YOZp 0,6/1 kV
Net. Weight	7,848 kg/m
Sheath marking	{Length} TKF - 4X185 sv's - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp HALOGEN FREE {Batch}

Trade lengths

Reel à 1	(16481 / 8713182221829)
Reel à 500	(16481H X 500/20 / 8713182221836)



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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	4
Conductor material	Cu
Shape of conductor	Sector-shaped
Core insulation	XLPE (VPE)
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Screening	Yes
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black



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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
Nominal cross section conductor	185 mm ²
Outer diameter approx.	48 mm
Diameter conductor	18.5 mm
Insulation thickness	1.6 mm
Diameter over braiding	43 mm
Diameter shield wires	0.4 mm
Nominal outer sheath thickness	2.5 mm
Min. bending radius after installation	192 mm
Min. bending radius during installation	336 mm
Tensile load	11000 N

Technical characteristics

Test voltage	3500 V
Nominal voltage U ₀	0.6 kV
Nominal voltage U	1 kV
Conductor DC resistance @ 20°C	0.0991 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.124 Ohm/km
Inductance	0.17 mH/km
Capacity	93 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C