Shipboard low voltage cable

MarineLine YOZp FR 0,6/1 kV

Article number: 26150 | 26-07-2017

Description

4 x 50 svs

Fire resistant 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 sheath material has excellent abrasion resistance properties and can be stripped easily with the ripcord.

Trading information

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YOZp FR 0,6/1 kV
Net. Weight	2,231 kg/m
Sheath marking	{Length} TKF - 4X50 svs - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp FR HALOGEN FREE - FIRE RESISTANT {Batch}

Trade lengths

Reel à 1	(26150 / 8713182107475)
Reel à 500	(26150H X 500/20 / 8713182107468)
Reel à 1000	(26150H X 1000/30 / 8713182107444)

Subject to technical modifications | No rights can be derived from this information

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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	Mica + XLPE
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	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 mm²
Outer diameter approx.	27.7 mm
Diameter conductor	11.3 mm
Insulation thickness	1 mm
Diameter over braiding	24.1 mm
Diameter shield wires	0.3 mm
Nominal outer sheath thickness	1.8 mm
Min. bending radius after installation	222 mm
Min. bending radius during installation	278 mm
Tensile load	3000 N

Technical characteristics

Test voltage	3500 V
Nominal voltage U0	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	70 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C