Shipboard low voltage cable

MarineLine YZp FR 0,6/1 kV

Article number: 26029 | 18-08-2017

Description

3 x 6 mm2

Fire resistant low voltage power cables for power and lighting applications in all ship areas, with reduced diameter and weight. High abrasion resistant sheath and easily strippable with ripcord. Halogen-free and low-smoke, flame-retardant in fire conditions.

Trading information

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YZp FR 0,6/1 kV
Net. Weight	0,253 kg/m
Sheath marking	{Length} TKF - 3X6 - 0,6/1 kV - CS 90 - mbzh - MarineLine YZp FR HALOGEN FREE - FIRE RESISTANT {Batch}

Trade lengths

Reel à 1	(26029 / 8713182112110)

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

Spinnerstraat 15 | P.O. Box 6 | 7481 KJ Haaksbergen | Nederland | Phone: +31 (0)53 573 22 55 | E-mail: info@tkf.nl

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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	3
Conductor material	Cu
Shape of conductor	Round
Core insulation	Mica + XLPE
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange

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	6 mm²
Outer diameter approx.	13.6 mm
Diameter conductor	3.8 mm
Insulation thickness	0.7 mm
Nominal outer sheath thickness	1.2 mm
Min. bending radius after installation	54 mm
Min. bending radius during installation	95 mm
Tensile load	270 N

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Technical characteristics

Test voltage	3500 V
Nominal voltage U0	0.6 kV
Nominal voltage U	1 kV
Conductor DC resistance @ 20°C	3.08 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	3.9 Ohm/km
Inductance	0.259 mH/km
Capacity	48 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

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