



Shipboard low voltage cable

MarineLine YZp 0,6/1 kV

Article number: 15975

18-08-2017

Description5 G 2,5 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. Different sheath colours available on request.

**Trading information**

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YZp 0,6/1 kV
Net. Weight	0,197 kg/m
Sheath marking	{Length} TKF - 5G2,5 - 0,6/1 kV - CS 90 - mbzh - MarineLine YZp HALOGEN FREE {Batch}

Trade lengths

Reel à 1	(15975 / 8713182063405)
Reel à 500	(15975H X 500/20 / 8713182048280)
Reel à 1000	(15975H X 1000/30 / 8713182063412)



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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	Round
Core insulation	XLPE (VPE)
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Protective conductor	Yes
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black

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	2.5 mm ²
Outer diameter approx.	11.5 mm
Diameter conductor	2.01 mm
Insulation thickness	0.7 mm
Nominal outer sheath thickness	1.2 mm
Min. bending radius after installation	46 mm
Min. bending radius during installation	92 mm
Tensile load	188 N



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Technical characteristics

Test voltage	3500 V
Nominal voltage U ₀	0.6 kV
Nominal voltage U	1 kV
Conductor DC resistance @ 20°C	7.41 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	9.3 Ohm/km
Inductance	0.279 mH/km
Capacity	44 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C