



Power cable ≥ 1 kV, for permanent installation

MarineFlex YZp 0,6/1 kV

Article number: 16093

21-10-2019

Description

1 x 50 mm²

Application:

Lightweight, unarmoured, flexible low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant
- Excellent abrasion resistance
- Different colour outer sheaths, other than black, available on request



Core identification:

- HD308 S2

Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	MarineFlex YZp 0,6/1 kV
Net. Weight	0,496 kg/m
Sheath marking	{Length} TKF - 1X50 Class 5 - 0,6/1 kV - CS 90 - mbzh - MarineFlex YZp HALOGEN FREE {Batch}

Trade lengths

	(16093 / 8713182051273)
Reel à 1000	(16093H X 1000/20 / 8713182051266)



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Construction characteristics

Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-353
Number of cores	1
Nominal cross section conductor	50 mm ²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 5 = flexible
Core insulation	XLPE (VPE)
Core identification	Colours and numbers
Conductor coding in accordance with HD 308 S2	Yes
Core lay-up	Concentric layers
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Standardization sheath material	IEC 60092-360

Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal outer sheath thickness	1.2 mm
Outer diameter approx.	13.4 mm



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Technical characteristics

Tensile load	750 N
Min. bending radius during installation	94 mm
Min. permitted bending radius, stationary application/permanent installation	54 mm
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C
Max. conductor temperature	90 °C

Electrical characteristics

Nominal voltage U ₀	0.6 kV
Nominal voltage U	1 kV
Test voltage	3500 kV
Conductor DC resistance @ 20°C	0.386 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.4921886 Ohm/km
Inductance	0.212 mH/km