



Power cable ≥ 1 kV, for permanent installation

MarineFlex YOZp 0,6/1 kV

Article number: 16202

27-08-2019

Description

1 x 120 mm²

Application:

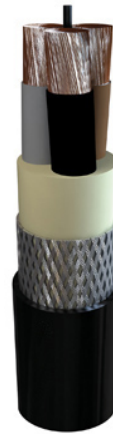
Lightweight, armoured, flexible low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant
- Tinned copper wire braid armouring
- 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 YOZp 0,6/1 kV
Net. Weight	1,267 kg/m
Sheath marking	{Length} TKF - 1X120 Class 5 - 0,6/1 kV - CS 90 - mbzh - MarineFlex YOZp HALOGEN FREE {Batch}

Trade lengths

	(16202 / 8713182053413)
Reel à 500	(16202H X 500/20 / 8713182053406)
Reel à 1000	(16202H X 1000/30 / 8713182053420)



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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	120 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
	Yes
Screening	Yes
Construction outer shield	tinned copper braiding
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Standardization sheath material	IEC 60092-360



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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
Diameter conductor	14 mm
Insulation thickness	1.2 mm
Diameter shield wires	0.3 mm
Diameter over braiding	17.8 mm
Nom. equivalent cross section of reinforcement	11.5 mm ²
Nominal outer sheath thickness	1.5 mm
Outer diameter approx.	20.8 mm

Technical characteristics

Tensile load	1800 N
Min. bending radius during installation	146 mm
Min. permitted bending radius, stationary application/permanent installation	83 mm
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C
Max. conductor temperature	90 °C



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Electrical characteristics

Nominal voltage U0	0.6 kV
Nominal voltage U	1 kV
Test voltage	3500 kV
Conductor DC resistance @ 20°C	0.161 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.19 Ohm/km
Inductance	0.192 mH/km