



Power cable  $\geq 1$  kV, for permanent installation

## MarineFlex YOZp 0,6/1 kV

Article number: 16190

28-08-2019

### Description

1 x 35 mm<sup>2</sup>

### Application:

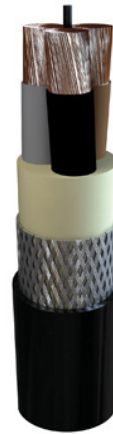
Lightweight, armoured, flexible low voltage power cables for power and lighting applications in all ship areas.

### 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 $\geq 1$ kV, for permanent installation
Type	MarineFlex YOZp 0,6/1 kV
Net. Weight	0,408 kg/m
Sheath marking	{Length} TKF - 1X35 Class 5 - 0,6/1 kV - CS 90 - mbzh - MarineFlex YOZp HALOGEN FREE {Batch}

### Trade lengths

	(16190 / 8713182053055)
Reel à 500	(16190H X 500/20 / 8713182053048)
Reel à 1000	(16190H X 1000/30 / 8713182053062)

### Construction characteristics

Certified for shipboard application	Yes
Standardization	IEC 60092-350/-360/-353
Number of cores	1



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Nominal cross section conductor	35 mm <sup>2</sup>
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
Ripcord	Yes



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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	7.7 mm
Insulation thickness	0.9 mm
Diameter shield wires	0.2 mm
Diameter over braiding	10.3 mm
Nom. equivalent cross section of reinforcement	3.3 mm <sup>2</sup>
Nominal outer sheath thickness	1.2 mm
Outer diameter approx.	12.7 mm

### Technical characteristics

Tensile load	525 N
Min. bending radius during installation	89 mm
Min. permitted bending radius, stationary application/permanent installation	51 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	0.554 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.66 Ohm/km
Inductance	0.211 mH/km