Power cable >= 1 kV, for permanent installation

MarineFlex YOZp 0,6/1 kV

Article number: 16552 | 02-10-2026

Description

5 G 35 mm²

* This image may differ from the actual product.

Application:

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

Characteristics (properties):

- 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
- DC voltage: 0,9/1,5 kV (if voltage to earth does not exceed 0,9 kV)

Core identification:

- HD308 S2

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineFlex YOZp 0,6/1 kV
Net. Weight	2,5 kg/m
Sheath marking	{Length} 0000 TKF - MarineFlex YOZp 0,6/1 kV - 5G35 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(16552 / 8713182446536)	1000 MTR

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	5
Nominal cross section conductor	35 mm²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 5 = flexible
Material core insulation	Crosslinked polyethylene (XLPE)
Core identification	Colours and numbers
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Green/Yellow - Blue- Brown - Black - Grey
Protective conductor	Yes
Number of PE conductors	1
Nominal cross section PE conductor	35 mm²
Screening	Yes
Construction outer shield	Tinned copper braiding
Binder/filler	FRNC filler
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Diameter conductor	7,7 mm
Insulation thickness	0,9 mm
Diameter shield wires	0,3 mm
Diameter over braiding	28,5 mm
Nominal outer sheath thickness	1,9 mm
Outer diameter approx.	32,3 mm

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

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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
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Very good / Test duration >= 6000 h

Technical characteristics

Min. bending radius during installation	227 mm
Min. permitted bending radius, stationary application/permanent installation	130 mm
Tensile load	2.100 N
Max. permitted conductor temperature	90 °C
Transportation and storage temperature	-40 / 50 °C
Permitted cable outer temperature during assembling/handling	-20 / 50 °C
Permitted cable outer temperature after assembling without vibration	-40 / 70 °C

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Electrical characteristics

Nominal voltage U0	0,6 kV
Nominal voltage U	1 kV
Test voltage	3,5 kV
Conductor DC resistance @ 20°C	0,554 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,706 Ohm/km
Capacity	68 nF/km
Inductance	0,211 mH/km

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