Power cable >= 1 kV, for permanent installation

MarineLine YZp 0,6/1 kV

Article number: 16031 | 02-10-2026

Description

1 x 16 mm²

Application:

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

Characteristics (properties):

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen-free and low smoke, flame retardant
- Excellent abrasion resistance
- Different color 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

* This image may differ from the actual product.

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineLine YZp 0,6/1 kV
Net. Weight	0,177 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YZp 0,6/1 kV - 1x16 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(16031 / 8713182047139)	1 MTR
Reel à 500	(16031H X 500/20 / 8713182047115)	1 PCE
Reel à 1000	(16031H X 1000/30 / 8713182047122)	1 PCE

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	1
Nominal cross section conductor	16 mm²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 2 = stranded
Material core insulation	Crosslinked polyethylene (XLPE)
Core identification	Colour
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Black
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Diameter conductor	4,85 mm
Insulation thickness	0,7 mm
Nominal outer sheath thickness	1 mm
Outer diameter approx.	8,1 mm

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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	55 mm
Min. permitted bending radius, stationary application/permanent installation	35 mm
Tensile load	240 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

Electrical characteristics

Nominal voltage U0	0,6 kV
Nominal voltage U	1 kV
Test voltage	3,5 kV
Conductor DC resistance @ 20°C	1,15 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	1,4 Ohm/km
Inductance	0,227 mH/km

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

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