Power cable >= 1 kV, for permanent installation

MarineLine YOZp 1,8/3 kV

Article number: 16496 | 02-10-2026

Description

1 x 120 mm²

Application:

Lightweight, armoured, reduced diameter 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
- Tinned copper wire braid armouring
- Excellent abrasion resistance
- Different colour outer sheaths, other than black, available on request

PRODUCED WITH 100% GREEN ENERGY

* This image may differ from the actual product.

Core identification:

- HD308 S2

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineLine YOZp 1,8/3 kV
Net. Weight	1,413 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YOZp 1,8/3 kV - 1x120 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(16496 / 8713182080129)	1000 MTR
Reel à 500	(16496H X 500/20 / 8713182080112)	2 PCE

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	1
Nominal cross section conductor	120 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	Colours and numbers
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Black
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	14,2 mm
Insulation thickness	2 mm
Diameter shield wires	0,3 mm
Diameter over braiding	19,5 mm
Nominal outer sheath thickness	1,6 mm
Outer diameter approx.	22,6 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

Technical characteristics

Min. bending radius during installation	159 mm
Min. permitted bending radius, stationary application/permanent installation	91 mm
Tensile load	1.800 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	1,8 kV
Nominal voltage U	3 kV
Test voltage	6,5 kV
Conductor DC resistance @ 20°C	0,153 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,19 Ohm/km
Inductance	0,192 mH/km

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