Power cable >= 1 kV, for permanent installation

MarineFlex YOZp EMC 0,6/1 kV

Article number: 17178 | 02-10-2026

Description

3 x 70 mm²

Application:

Lightweight, armoured, flexible low voltage power cables for power and lighting applications in all ship areas where EMC protection is needed.

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
- A combined screen of copper-pet tape and tinned copper wire braid for optimal screening
- 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

* This image may differ from the actual product.

PRODUCED WITH 100% GREEN ENERGY

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineFlex YOZp EMC 0,6/1 kV
Net. Weight	3,06 kg/m
Sheath marking	{Length} 0000 TKF - MarineFlex YOZp EMC 0,6/1 kV - 3x70 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(17178 / 8713182239176)	1 MTR
Reel à 500	(17178H X 500/20 / 8713182239190)	1 PCE

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Trade lengths

		Minimal order
Reel à 1000	(17178H X 1000/30 / 8713182239183)	1 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	70 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	Brown - Black - Grey
Screening	Yes
Construction outer shield	EMC-screen consists of Cu/PET-tape and tinned copper braiding
Binder/filler	FRNC filler
Nominal equivalent cross section of reinforcement	25 mm²
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Diameter conductor	10,6 mm
Insulation thickness	1,1 mm
Diameter shield wires	0,3 mm
Diameter over braiding	32,2 mm

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

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Construction characteristics

Nominal outer sheath thickness	2 mm
Outer diameter approx.	36,4 mm

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	255 mm
Min. permitted bending radius, stationary application/permanent installation	146 mm
Tensile load	3.150 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	0,272 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,34 Ohm/km
Capacity	73 nF/km
Inductance	0,2 mH/km