Power cable >= 1 kV, for permanent installation

MarineFlex YOZp EMC 0,6/1 kV

Article number: 17199 | 02-10-2026

Description

3 x 50 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	2,299 kg/m
Sheath marking	{Length} 0000 TKF - MarineFlex YOZp EMC 0,6/1 kV - 3x50 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(17199 / 8713182205911)	1 MTR
Reel à 500	(17199H X 500/20 / 8713182205904)	1 PCE

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Trade lengths

		Minimal order
Reel à 1000	(17199H X 1000 / 8713182205898)	1 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	50 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	18 mm²
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Diameter conductor	9 mm
Insulation thickness	1 mm
Diameter shield wires	0,3 mm
Diameter over braiding	27,3 mm

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

Spinnerstraat 15 | P.O. Box 6 | 7481 KJ Haaksbergen | Nederland | Phone: +31 (0)53 573 22 55 | E-mail: info@tkf.nl

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Construction characteristics

Nominal outer sheath thickness	1,9 mm
Outer diameter approx.	31,1 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	218 mm
Min. permitted bending radius, stationary application/permanent installation	125 mm
Tensile load	2.250 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	0,386 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,49 Ohm/km
Capacity	61 nF/km
Inductance	0,212 mH/km