



Power cable ≥ 1 kV, for permanent installation

MarineFlex YOZp EMC 0,6/1 kV

Article number: 55903

02-10-2026

Description

3 x 120 mm² + 3 G 25 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.



Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	MarineFlex YOZp EMC 0,6/1 kV
Net. Weight	6,172 kg/m
Sheath marking	{Length} 0000 TKF - MarineFlex YOZp EMC 0,6/1 kV - 3x120+3G25 mm ² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(55903 / 8713182255350)	1000 MTR
Reel à 500	(55903H X 500/20 / 8713182255374)	2 PCE

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Minimal order

Reel à 1000	(55903H X 1000 / 8713182255367)	1 PCE
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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	120 mm ²
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 - green / yellow - green / yellow - green / yellow
Protective conductor	Yes
Number of PE conductors	3
Nominal cross section PE conductor	25 mm ²
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	35 mm ²
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Diameter conductor	14 mm



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Insulation thickness	1,2 mm
Diameter shield wires	0,4 mm
Diameter over braiding	43,5 mm
Nominal outer sheath thickness	2,5 mm
Outer diameter approx.	49,9 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	585 mm
Min. permitted bending radius, stationary application/permanent installation	390 mm
Tensile load	5.400 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	0,161 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,19 Ohm/km
Capacity	87 nF/km
Inductance	0,192 mH/km