



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp X-FR EMC 0,6/1 kV

Article number: 17418

02-10-2026

Description

3 x 25 mm²

Application:

Low voltage fire resistant shipboard power cables with enhanced EMC properties for use in sensitive EMC areas and suitable for Variable Frequency Drive applications. Enhanced shielding properties due to optimized tinned copper wire braid in combination with 100% foil-screen coverage.

Characteristics (properties):

- Class 2 conductors
- Designed for situations that need Electro-Magnetic Interference to be limited to the minimum
- Halogen-free and low smoke, flame retardant
- Fire resistant according IEC 60331 1/2 (≥ 120 min.)
- Tinned copper wire braid armoring
- Different colour outer sheaths, other than orange, 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 YOZp X-FR EMC 0,6/1 kV
Net. Weight	1,048 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YOZp X-FR EMC 0,6/1 kV - 3x25 mm ² +90 ° C - LSHF - IEC 60092-353, 60332-3-22, 60331-1 - {Batch}

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Trade lengths

Minimal order

	(17418 / 8713182361341)	1000 MTR
Reel à 500	(17418H X 500/20 / 8713182361365)	2 PCE
Reel à 1000	(17418H X 1000 / 8713182361358)	1 PCE

Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	25 mm ²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 2 = stranded
Material core insulation	Mica + XLHFFR
Core identification	Colours and numbers
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Brown - Black - Grey
Screen over stranding	EMC-screen consists of Cu/PETtape with CuSn braiding
Screening	Yes
Construction outer shield	EMC-screen consists of Cu/PET-tape and tinned copper braiding
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Diameter conductor	6,3 mm
Insulation thickness	0,9 mm
Diameter shield wires	0,3 mm

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Construction characteristics

Diameter over braiding	19,4 mm
Nominal outer sheath thickness	1,6 mm
Outer diameter approx.	22,6 mm

Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Fire resistant	IEC 60331-1/2
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Limited / Test duration $720 \leq h < 2000$

Technical characteristics

Min. bending radius during installation	160 mm
Min. permitted bending radius, stationary application/permanent installation	135 mm
Tensile load	1.125 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	0,727 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,91 Ohm/km
Capacity	65 nF/km
Inductance	0,23 mH/km