Power cable >= 1 kV, for permanent installation

MarineLine YOZp EMC 1,8/3 kV

Article number: 17435 | 02-10-2026

Description

3 x 16 mm²

* This image may differ from the actual product.

Application:

Low voltage 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
- Tinned copper wire braid armoring
- Different colour outer sheaths, other than black, available on request

Core identification:

- HD308 S2

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineLine YOZp EMC 1,8/3 kV
Net. Weight	0,834 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YOZp EMC 1,8/3 kV - 3x16 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch}

Trade lengths

		Minimal order
	(17435 / 8713182397081)	1000 MTR

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	16 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	Brown - Black - Grey
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	Black
Diameter conductor	4,85 mm
Insulation thickness	2 mm
Diameter shield wires	0,3 mm
Diameter over braiding	20,1 mm
Nominal outer sheath thickness	1,6 mm
Outer diameter approx.	23,3 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	168 mm
Min. permitted bending radius, stationary application/permanent installation	96 mm
Tensile load	720 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	1,15 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	1,4 Ohm/km
Capacity	61 nF/km
Inductance	0,227 mH/km

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