Power cable >= 1 kV, for permanent installation

MarineLine YZp X-FR 0,6/1 kV

Article number: 27002 | 02-10-2026

Description

3 x 1,5 mm²

Application:

Lightweight, fire-resistant, unarmoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics (properties):

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen-free and low smoke
- Fire-resistant according to IEC 60331 1/2
- Tinned copper wire braid armouring
- 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

PRODUCED WITH 100% GREEN ENERGY

* This image may differ from the actual product.

Trading information

Product group	Power cable >= 1 kV, for permanent installation
Type	MarineLine YZp X-FR 0,6/1 kV
Net. Weight	0,111 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YZp X-FR 0,6/1 kV - 3x1,5 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22, 60331-2 - {Batch}

Trade lengths

		Minimal order
	(27002 / 8713182124359)	1 MTR
Reel à 500	(27002H X 500/20 / 8713182120702)	1 PCE
Reel à 1000	(27002H X 1000/30 / 8713182120689)	1 PCE

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	3
Nominal cross section conductor	1,5 mm²
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	Colour
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Brown - Black - Grey
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Diameter conductor	1,57 mm
Insulation thickness	0,7 mm
Nominal outer sheath thickness	1,1 mm
Outer diameter approx.	9,4 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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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 <= h <2000

Technical characteristics

Min. bending radius during installation	65 mm
Min. permitted bending radius, stationary application/permanent installation	55 mm
Tensile load	68 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	12,1 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	15 Ohm/km
Capacity	37 nF/km
Inductance	0,307 mH/km

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