

Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp X-FR 0,6/1 kV

Article number: 27179

02-10-2026

Description

5 G 35 mm²

* This image may differ from the actual product.

Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	MarineLine YOZp X-FR 0,6/1 kV
Net. Weight	2,201 kg/m
Sheath marking	{Length} 0000 TKF - MarineLine YOZp X-FR 0,6/1 kV - 5G35 mm ² +90 ° C - LSHF - IEC 60092-353, 60332-3-22, 60331-1 - {Batch}

Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	5
Nominal cross section conductor	95 mm ²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 2 = stranded



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Material core insulation	Mica + XLHFFR
Core identification	Colour
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Green/Yellow - Blue- Brown - Black - Grey
Protective conductor	Yes
Screening	Yes
Construction outer shield	Tinned copper braiding
Binder/filler	Polyester tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Diameter conductor	7,5 mm
Insulation thickness	0,9 mm
Diameter shield wires	0,3 mm
Diameter over braiding	27,6 mm
Nominal outer sheath thickness	1,9 mm
Outer diameter approx.	31,4 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 $720 \leq h < 2000$

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Technical characteristics

Min. bending radius during installation	220 mm
Min. permitted bending radius, stationary application/permanent installation	189 mm
Tensile load	7.125 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

Electrical characteristics

Nominal voltage U_0	0,6 kV
Nominal voltage U	1 kV
Test voltage	3,5 kV
Conductor DC resistance @ 20°C	0,524 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,66 Ohm/km
Capacity	90 nF/km
Inductance	0,198 mH/km