



Power cable ≥ 1 kV, for permanent installation

MarineWire Zp 0,6/1 kV

Article number: 160268

02-10-2026

Description

50 mm² Green/Yellow

Application:

MarineWire Zp 0,6/1 kV halogen-free earthing & power wires are used for wiring switchboards, control panels, and cabinets in all ship areas. Extra flexible Class 5/6 conductors for improved flexibility.

Characteristics (properties):

- Class 5/6 conductors, unarmoured
- Easy installation in tight spaces due to flexible conductors
- Halogen-free, low smoke, flame retardant insulation
- Green/Yellow sheath. Different colors 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	MarineWire Zp 0,6/1 kV
Net. Weight	0,452 kg/m
Sheath marking	{Length} TKF - MarineWire Zp - 0,6/1 kV - 50 mm ² Class 5 IEC 60332-3-22 (Cat.A) {Batch}

Trade lengths

Minimal order

(160268 / 8713182396701)	1 MTR
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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Number of cores	1
Nominal cross section conductor	50 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	XLHFFR - HF90
Core identification	Colour
Colour insulated wires	Green/Yellow
Diameter conductor	9,12 mm
Insulation thickness	1 mm
Outer diameter approx.	11,2 mm

Properties

Flame retardant	IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2

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Technical characteristics

Min. bending radius during installation	90 mm
Min. permitted bending radius, stationary application/permanent installation	45 mm
Tensile load	750 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 / 90 °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	0,386 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0,492 Ohm/km