Power cable >= 1 kV, for permanent installation

# MarineFlex YZp 0,6/1 kV

Article number: 16440 | 02-10-2026

## Description

4 x 70 mm²

* This image may differ from the actual product.

**Application:**

Lightweight, unarmoured, flexible low voltage power cables for power and lighting applications in all ship areas.

**Characteristics (properties):**

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen-free and low smoke, flame retardant
- Excellent abrasion resistance
- Different colour outer sheaths, other than black, available on request
- DC voltage: 0,9/1,5 kV (if voltage to earth does not exceed 0,9 kV)

**Core identification:**

- HD308 S2

## Trading information

| | |
|---|---|
| Product group | Power cable >= 1 kV, for permanent installation |
| Type | MarineFlex YZp 0,6/1 kV |
| Net. Weight | 3,526 kg/m |
| Sheath marking | {Length} 0000 TKF - MarineFlex YZp 0,6/1 kV - 4x70 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22 - {Batch} |

## Trade lengths

| | | Minimal order |
|---|---|---|
| | (16440 / 8713182116781) | 1 MTR |
| Reel à 500 | (16440H X 500/20 / 8713182116774) | 1 PCE |
| Reel à 1000 | (16440H X 1000/30 / 8713182116750) | 1 PCE |

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## Construction characteristics

| | |
|---|---|
| Standardization | IEC 60092-350/-360/-353 |
| Number of cores | 4 |
| Nominal cross section conductor | 70 mm² |
| Conductor material | Copper |
| Conductor surface | Bare |
| Standardization conductor material | IEC 60228 |
| Shape of conductor | Round |
| Conductor category | Class 5 = flexible |
| Material core insulation | Crosslinked polyethylene (XLPE) |
| Core identification | Colours and numbers |
| Conductor coding in accordance with HD 308 S2 | Yes |
| Colour insulated wires | Blue - Brown - Black - Grey |
| Binder/filler | FRNC filler |
| Material outer sheath | Flame Retardant Halogen Free Polyolefin Compound |
| Colour outer sheath | Black |
| Diameter conductor | 10,8 mm |
| Insulation thickness | 1,1 mm |
| Outer diameter approx. | 36,6 mm |

## 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 |
| UV rating | Very good / Test duration >= 6000 h |


Subject to technical modifications | No rights can be derived from this information

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## Technical characteristics

| | |
|---|---|
| Min. bending radius during installation | 257 mm |
| Min. permitted bending radius, stationary application/permanent installation | 147 mm |
| Tensile load | 4.200 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 | 0,6 kV |
| Nominal voltage U | 1 kV |
| Test voltage | 3,5 kV |
| Conductor DC resistance @ 20°C | 0,272 Ohm/km |
| Conductor AC resistance @ max. cont. Conductor temp. | 0,347 Ohm/km |
| Capacity | 79 nF/km |
| Inductance | 0,2 mH/km |


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