Power cable >= 1 kV, for permanent installation

# MarineFlex YOZp X-FR 0,6/1 kV

Article number: 27336 | 02-10-2026

## Description

3 x 50 mm²

**Application:**

Armoured, heavy-duty, fire-resistant, ultra-flexible, low voltage power cables for power and lighting applications in all ship areas.

**Characteristics (properties):**

- The only flexible fire-resistant class 5 conductor cable
- Lightweight
- 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 | MarineFlex YOZp X-FR 0,6/1 kV |
| Net. Weight | 2,395 kg/m |
| Sheath marking | {Length} 0000 TKF - MarineFlex YOZp X-FR 0,6/1 kV - 3x50 mm² +90 ° C - LSHF - IEC 60092-353, 60332-3-22, 60331-1 - {Batch} |

## Trade lengths

| | | Minimal order |
|---|---|---|
| | (27336 / 8713182123956) | 1 MTR |

Power cable >= 1 kV, for permanent installation

# MarineFlex YOZp X-FR 0,6/1 kV

Article number: 27336 | 02-10-2026

## Construction characteristics

| | |
|---|---|
| Standardization | IEC 60092-350/-360/-353 |
| Number of cores | 3 |
| Nominal cross section conductor | 50 mm² |
| Conductor material | Copper |
| Conductor surface | Bare |
| Standardization conductor material | IEC 60228 |
| Shape of conductor | Round |
| Conductor category | Class 5 = flexible |
| Material core insulation | Mica + XLHFFR |
| 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 | Tinned copper braiding |
| Binder/filler | FRNC filler |
| Material outer sheath | Flame Retardant Halogen Free Polyolefin Compound |
| Colour outer sheath | Orange |
| Diameter conductor | 9 mm |
| Insulation thickness | 1 mm |
| Diameter shield wires | 0,3 mm |
| Diameter over braiding | 29,1 mm |
| Nominal outer sheath thickness | 1,8 mm |
| Outer diameter approx. | 32,7 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

Power cable >= 1 kV, for permanent installation

# MarineFlex YOZp X-FR 0,6/1 kV

Article number: 27336 | 02-10-2026

## 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 | 229 mm |
| Min. permitted bending radius, stationary application/permanent installation | 197 mm |
| Tensile load | 2.250 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 |


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

Power cable >= 1 kV, for permanent installation

# MarineFlex YOZp X-FR 0,6/1 kV

Article number: 27336 | 02-10-2026

## Electrical characteristics

| | |
|---|---|
| Nominal voltage U0 | 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 |
| Capacity | 61 nF/km |
| Inductance | 0,212 mH/km |