

Power cable  $\geq 1$  kV, for permanent installation

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

Article number: 17824

02-10-2026

### Description

4 x 50/25 mm<sup>2</sup>

\* This image may differ from the actual product.

### Trading information

|                |                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Product group  | Power cable $\geq 1$ kV, for permanent installation                                                                                          |
| Type           | MarineFlex YOZp X-FR 0,6/1 kV                                                                                                                |
| Net. Weight    | 3,19 kg/m                                                                                                                                    |
| Sheath marking | {Length} 0000 TKF - MarineFlex YOZp X-FR 0,6/1 kV - 4x50/25 mm <sup>2</sup> +90 ° C<br>- LSHF - IEC 60092-353, 60332-3-22, 60331-1 - {Batch} |

### Construction characteristics

|                                    |                         |
|------------------------------------|-------------------------|
| Standardization                    | IEC 60092-350/-360/-353 |
| Number of cores                    | 4                       |
| Nominal cross section conductor    | 50 mm <sup>2</sup>      |
| Conductor material                 | Copper                  |
| Conductor surface                  | Bare                    |
| Standardization conductor material | IEC 60228               |
| Shape of conductor                 | Round                   |
| Conductor category                 | Class 5 = flexible      |

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### Construction characteristics

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Material core insulation                          | Mica + XLHFFR                                    |
| Core identification                               | Colours and numbers                              |
| Conductor coding in accordance with HD 308 S2     | Yes                                              |
| Colour insulated wires                            | Blue - Brown - Black - Grey                      |
| Screening                                         | Yes                                              |
| Construction outer shield                         | Tinned copper braiding                           |
| Binder/filler                                     | FRNC filler                                      |
| Nominal equivalent cross section of reinforcement | 25 mm <sup>2</sup>                               |
| Material outer sheath                             | Flame Retardant Halogen Free Polyolefin Compound |
| Colour outer sheath                               | Orange                                           |
| Diameter conductor                                | 9 mm                                             |
| Insulation thickness                              | 1 mm                                             |
| Diameter shield wires                             | 0,4 mm                                           |
| Diameter over braiding                            | 33,1 mm                                          |
| Nominal outer sheath thickness                    | 2,1 mm                                           |
| Outer diameter approx.                            | 37,3 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                                      | 262 mm      |
| Min. permitted bending radius, stationary application/permanent installation | 224 mm      |
| Tensile load                                                                 | 3.000 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                       | 0,386 Ohm/km |
| Conductor AC resistance @ max. cont. Conductor temp. | 0,492 Ohm/km |
| Capacity                                             | 70 nF/km     |
| Inductance                                           | 0,212 mH/km  |