



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp 0,6/1 kV

Article number: 16122

27-08-2019

Description

24 x 1,5 mm²

Application:

Lightweight, armoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant
- Tinned copper wire braid armouring
- Excellent abrasion resistance
- Different colour outer sheaths, other than black, available on request



Core identification:

- HD308 S2

Trading information

| | |
|----------------|--|
| Product group | Power cable ≥ 1 kV, for permanent installation |
| Type | MarineLine YOZp 0,6/1 kV |
| Net. Weight | 0,681 kg/m |
| Sheath marking | {Length} TKF - 24X1,5 - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp HALOGEN FREE {Batch} |

Trade lengths

| | |
|-------------|------------------------------------|
| | (16122 / 8713182048822) |
| Reel à 500 | (16122H X 500/20 / 8713182048815) |
| Reel à 1000 | (16122H X 1000/30 / 8713182048839) |



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp 0,6/1 kV

Article number: 16122

27-08-2019

Construction characteristics

| | |
|-------------------------------------|--|
| Certified for shipboard application | Yes |
| Standardization | IEC 60092-350/-360/-353 |
| Number of cores | 24 |
| Nominal cross section conductor | 1.5 mm ² |
| Conductor material | Copper |
| Conductor surface | Bare |
| Standardization conductor material | IEC 60228 |
| Shape of conductor | Round |
| Conductor category | Class 2 = stranded |
| Core insulation | XLPE (VPE) |
| Core identification | HD 308 S2 |
| | Yes |
| Screening | Yes |
| Construction outer shield | tinned copper braiding |
| Core lay-up | Concentric layers |
| Binder/filler | Polyester tape |
| Material outer sheath | Flame Retardant Halogen Free Polyolefin Compound |
| Colour outer sheath | Black |
| Standardization sheath material | IEC 60092-360 |



Power cable ≥ 1 kV, for permanent installation

MarineLine YOZp 0,6/1 kV

Article number: 16122

27-08-2019

Properties

| | |
|--------------------------------|-------------------------------------|
| Flame retardant | IEC 60332-1 / IEC 60332-3-22 Cat. A |
| Halogen free | IEC 60754-1/2 |
| Low smoke | IEC 61034-2 |
| Diameter conductor | 1.58 mm |
| Insulation thickness | 0.7 mm |
| Diameter shield wires | 0.3 mm |
| Diameter over braiding | 18.1 mm |
| Nominal outer sheath thickness | 1.5 mm |
| Outer diameter approx. | 21.1 mm |

Technical characteristics

| | |
|--|-------------|
| Tensile load | 540 N |
| Min. bending radius during installation | 148 mm |
| Min. permitted bending radius, stationary application/permanent installation | 86 mm |
| Permitted cable outer temperature, in movement | -20 / 70 °C |
| Permitted cable outer temperature, fixed | -40 / 70 °C |
| Max. conductor temperature | 90 °C |

Electrical characteristics

| | |
|--|-------------|
| Nominal voltage U ₀ | 0.6 kV |
| Nominal voltage U | 1 kV |
| Test voltage | 3500 kV |
| Conductor DC resistance @ 20°C | 12.1 Ohm/km |
| Conductor AC resistance @ max. cont. Conductor temp. | 15 Ohm/km |
| Inductance | 0.307 mH/km |