



Medium-voltage ship-cable

MarinePower YOZmv 18/30 kV

Article number: 33412

02-10-2026

Description1 x 400 mm²**Application:**

Heavy duty, midvoltage (18/30 kV), armoured power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics (properties):

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant
- Excellent abrasion resistance
- Different colour outer sheaths, other than red, available on request



* This image may differ from the actual product.

Trading information

Product group	Medium-voltage ship-cable
Type	MarinePower YOZmv 18/30 kV
Net. Weight	5,298 kg/m
Sheath marking	{Length} TKF - 18/30kV - 1x400rs CS90 mbzh MarinePower YOZmv HALOGEN FREE {Batch}

Trade lengths

Minimal order

	(33412 / 8713182257989)	1 MTR
Reel à 500	(33412H X 500/20 / 8713182257996)	1 PCE



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Construction characteristics

Standardization	IEC 60092-354
Number of cores	1
Nominal cross section conductor	400 mm ²
Conductor material	Cu
Shape of conductor	Round
Conductor category	K1.2+ = stranded flexible
Conductor shield	Semiconductive Compound
Material core insulation	Crosslinked polyethylene (XLPE)
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	Tinned copper braiding
Insulation thickness	8 mm
Armouring	Yes
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Outer diameter approx.	49,3 mm
Colour outer sheath	Red

Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Min. bending radius after installation	0,4 m
Min. bending radius during installation	0,6 m
Tensile load	20.000 N



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Technical characteristics

Conductor DC resistance @ 20°C	0,047 Ohm/km
Minimum installation temperature	-5 °C
Max. operating temperature	70 °C
Max. permitted conductor temperature	90 °C
Permitted cable outer temperature during assembling/handling	-20 / 50 °C
Permitted cable outer temperature after assembling without vibration	-40 / 70 °C
Transportation and storage temperature	-40 / 50 °C

Electrical characteristics

Nominal voltage U0	18 kV
Nominal voltage U	30 kV
Nominal voltage Umax	36 kV