Medium-voltage ship-cable

MarinePowerFlex YZOZmv 6/10 kV

Article number: 33135 | 02-10-2026

Description

3 x 35 mm²

Application:

Highly Flexible, midvoltage (6/10 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 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant
- Easy installation in tight spaces due to flexibility
- Different colour outer sheaths, other than red, available on request

Core identification:

- Numbered

PRODUCED WITH 100% GREEN ENERGY

* This image may differ from the actual product.

Trading information

Product group	Medium-voltage ship-cable
Type	MarinePowerFlex YZOZmv 6/10 kV
Net. Weight	3,451 kg/m
Sheath marking	{Length} TKF - 6/10kV - 3x35rf Class 5 CS90 mbzh MarinePowerFlex YZOZmv HALOGEN FREE {Batch}

Trade lengths

		Minimal order
	(33135 / 8713182389611)	1 MTR
Reel à 500	(33135H X 500/20 / 8713182389628)	1 PCE

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Construction characteristics

Standardization	IEC 60092-354
Number of cores	3
Nominal cross section conductor	35 mm²
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+ = extra flexible
Conductor shield	Semiconductive Compound with semiconductive tape
Material core insulation	Crosslinked polyethylene (XLPE)
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	Tinned copper braiding
Insulation thickness	3,4 mm
Armouring	Yes
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Outer diameter approx.	51,4 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	0,42 m
Min. bending radius during installation	0,52 m
Tensile load	5.250 N

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

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Technical characteristics

Conductor DC resistance @ 20°C	0,554 Ohm/km
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	6 kV
Nominal voltage U	10 kV
Nominal voltage Umax	12 kV

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