



MarinePowerFlex 18/30 kV

23-09-2020

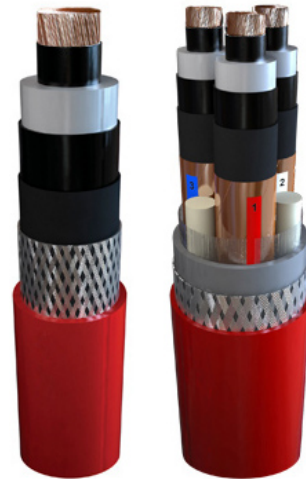
Properties

Application:

Highly Flexible, 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:

- 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: (for YZOZ range)

- Numbered

Specifications

Product group	Medium-voltage ship-cable
Shape of conductor	Round
Nominal voltage U	30 kV
Standardization	IEC 60092-354
Conductor category	Product dependent
Conductor shield	Product dependent
Core insulation	XLPE (VPE)
Insulation shield	Product dependent
Laminated sheath	Yes
Earthscreens construction	Tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2



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Specifications

Low smoke	IEC 61034-2
Nominal voltage U0	18 kV
Nominal voltage Umax	36 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

2 products

Part number		Construction	Net weight kg/m	Min bending radius after installation m	Outer diameter approx mm	Tensile load N	Conductor category
33423	MarinePowerFlex YOZmv 18/30 kV	1 x 95 mm ²	2,112	0.31	38,3	4750	Class 5+ = extra flexible
33431	MarinePowerFlex YZOZmv 18/30 kV	3 x 95 mm ²	8,602	0.672	84	14250	Class 5 = flexible