

## MarineLine YOZp 0,6/1 kV



Armoured, lightweight, reduced diameter low voltage cables for power and lighting applications in all ship areas where extra mechanical and EMC protection is needed. The tinned copper braid is highly corrosion resistant which ensures a long cable lifetime. Halogen-free and low-smoke , flame-retardant in fire conditions.

Commercial information		Properties	Unit
Product group		Shipboard low voltage cable	
Series		Shipboard cable	
Type		MarineLine YOZp 0,6/1 kV	
Description		2 x 1,5 mm <sup>2</sup>	
Net weight		101	kg/Km
Marking	{Length} TKF - 2X1,5 - 0,6/1 kV - CS 90 - mbzh - MarineLine YOZp HALOGEN FREE {Batch}		

Article number / standard length	EAN number	Properties	Unit
16111	8713182048389	Drum à 1	m
16111H X 1000/30	8713182048396	Drum à 1000	m
16111H X 500/20	8713182048372	Drum à 500	m

Construction		Properties	Unit
Standardization		IEC 60092-350/-351/-353	
Standardization conductor material		IEC 60228	
Standardization sheath material		IEC 60092-359	
Number of cores		2	
Conductor material		Cu	
Shape of conductor		Round	
Core insulation		XLPE	
Conductor category		Class 2 = stranded	
Core identification		HD 308 S2	
Core lay-up		Concentric layers	
Binder/filler		Polyester tape	
Screening		Yes	
Construction outer shield		Tinned copper braiding	
Material outer sheath		Flame Retardant Halogen Free Polyolefin Compound	
Colour outer sheath		Black	



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Characteristics for use	Properties	Unit
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A	
Halogen free	IEC 60754-1/2	
Low smoke	IEC 61034-2	
Nominal cross section conductor	1.5	mm <sup>2</sup>
Outer diameter approx.	8.7	mm
Diameter conductor	1.56	mm
Insulation thickness	0.7	mm
Diameter over braiding	6.5	mm
Diameter shield wires	0.2	mm
Nominal outer sheath thickness	1.1	mm
Bending radius after installation	35	mm
Bending radius during installation	61	mm
Tensile load	45	N

Technical characteristics	Properties	Unit
Test voltage	3500	V
Nominal voltage U <sub>0</sub>	0.6	kV
Nominal voltage U	1	kV
Conductor DC resistance @ 20°C	12.1	Rdc(km)
Conductor AC resistance @ max. cont. Conductor temp.	15	Ohm/km
Induction	0.307	mH/km
Capacity	55	nF/km
Maximum conductor temperature	90	°C
min/max installation temperature	-20 / 70	°C
min/max operating temperature	-40 / 70	°C