

## MarineLine YZp 0,6/1 kV



TKF, scheepslaagspanningskabel. Deze scheepslaagspanningskabels zijn ontworpen voor energie toepassingen van 0,6/1 kV.

Commercial information		Properties	Unit
Product group		Shipboard low voltage cable	
Series		Shipboard cable	
Type		MarineLine YZp 0,6/1 kV	
Description		3 G 2,5 mm2	
Net weight		123	kg/Km
Marking	{Length} TKF - 3G2,5 - 0,6/1 kV - CS 90 - mbzh - MarineLine YZp HALOGEN FREE (Batch)		

Article number / standard length	EAN number	Properties	Unit
15973	8713182048235	Drum à 1	m
15973H X 1000/30	8713182048228	Drum à 1000	m
15973H X 500/20	8713182048204	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		3	
Conductor material		Cu	
Shape of conductor		Round	
Core insulation		XLPE	
Conductor category		Class 2 = stranded	
Core identification		HD 308 S2	
Protective conductor		Yes	
Core lay-up		Concentric layers	
Binder/filler		Polyester tape	
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	2.5	mm <sup>2</sup>
Outer diameter approx.	9.5	mm
Diameter conductor	2.01	mm
Insulation thickness	0.7	mm
Nominal outer sheath thickness	1.1	mm
Bending radius after installation	38	mm
Bending radius during installation	76	mm
Tensile load	113	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	7.41	R <sub>dc</sub> (km)
Conductor AC resistance @ max. cont. Conductor temp.	9.3	Ohm/km
Induction	0.279	mH/km
Capacity	42	nF/km
Maximum conductor temperature	90	°C
min/max installation temperature	-20 / 70	°C
min/max operating temperature	-40 / 70	°C