Shipboard low voltage cable

MarineLine YOZp 1,8/3 kV

Article number: 16502 | 26-07-2017

Description

3 x 70 svs

Special Frequency Drive cables. These cables have increased isolation thickness to withstand voltage spikes that can occur in low-voltage frequency drives, and to withstand accelerated aging of the insulation material due to higher frequencies. The tinned copper wire braiding offers excellent EMI protection and mechanical protection. Special types available on request.

Trading information

Product group	Shipboard low voltage cable
Series	Shipboard cable
Type	MarineLine YOZp 1,8/3 kV
Net. Weight	2,536 kg/m
Sheath marking	{Length} TKF - 3X70 svs - 1,8/3 kV - CS 90 - mbzh - MarineLine YOZp HALOGEN FREE {Batch}

Trade lengths

Reel à 1	(16502 / 8713182080242)
Reel à 500	(16502H X 500/20 / 8713182080235)

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

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Construction characteristics

Standardization	IEC 60092-350/-360/-353
Standardization conductor material	IEC 60228
Standardization sheath material	IEC 60092-360
Number of cores	3
Conductor material	Cu
Shape of conductor	Sector-shaped
Core insulation	XLPE (VPE)
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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Properties

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	70 mm²
Outer diameter approx.	31.8 mm
Diameter conductor	14.96 mm
Insulation thickness	2 mm
Diameter over braiding	28.1 mm
Diameter shield wires	0.3 mm
Nominal outer sheath thickness	1.9 mm
Min. bending radius after installation	127 mm
Min. bending radius during installation	223 mm
Tensile load	3150 N

Technical characteristics

Test voltage	6500 V
Nominal voltage U0	1.8 kV
Nominal voltage U	3 kV
Conductor DC resistance @ 20°C	0.268 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	0.34 Ohm/km
Inductance	0.2 mH/km
Capacity	73 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

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