LANmark Maritime Cable

LANMARK MARITIME S/FTP AWG23 CAT 7 LSZH SHF1 DNV ORANGE 4000M REEL

Aginode Ref: N10M.108

- DNV certified cable for installation on board ships and sea movable constructions
- S/FTP construction with individually shielded pairs and global tinned copper braid
- LSZH SHF1 sheathing
- Full compliance with TIA Category 6A and ISO Category 7 cable standards
- Class EA Channel compliance with LANmark-6A ULTIM connector
- Class F Channel compliance with LANmark-7 Maritime connector
- 4000m drum



EN 50173 EN 50288-4-1 IEC 60092-360 IEC 60332-1 IEC 61156-5 IEEE 802.3bt (PoE++) ISO/IEC 11801

Design

LANmark Maritime S/FTP SHF1 cable is fully compliant with all electrical and mechanical requirements of ISO/IEC 61156-5 for Category 7 and of IEC 60092-360 for installations for shipboard and offshore units.

Its SHF1 sheath is made of halogen free material, emitting limited fumes and no acid gasses in case of fire.

When the cable is terminated onto LANmark Maritime GG45 connectors, Class F Channel performance according to ISO/IEC 11801 is met.

In conjunction with LANmark-6A ULTIM connectors, Category 6A and Class EA Link and Channel performances are met, according to TIA 568.2-D and ISO/IEC 11801 respectively.

Application

LANmark Maritime cable supports all current and future applications specified for Category 6A and Category 7, requiring bandwidths up to 600 MHz, including 10GBase-T.

- 10Base-T, 100Base-T, 1GBase-T, 10GBase-T
- CATV

Installation

To support the correct set-up of hand held analysers for installation testing, the actual cable NVP value is given in the

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

cable’s print legend.

Guarantees

The DNV certificate related to this cable can be downloaded from our website.

Traceability codes on both cable and packaging ensure quality validation of the installed cable.

Installations with LANmark Maritime cable and LANmark-6A or -7 connectivity are qualified for a full Class EA or Class F System Warranty for a period of 25 years, including parts, installation, Channel performance and application support, as described in the Aginode LANmark Warranty conditions.

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Characteristics

结构特性	
外护套	SHF 1
护套颜色	橙
电缆类型	S/FTP
线对屏蔽	Aluminium / Polyester tape
总屏蔽	Tinned copper braid
尺寸特性	
近似重量	61 kg/km
线对数	4
导体横截面尺寸（AWG）	23
绝缘外径	1.32 mm
标称外径	7.7 mm
电气特性	
互电容	56 nF/km
特性阻抗	100 Ohm
20°C时导体的最大直流电阻	75 Ohm/km
机械特性	
最大操作抗拉强度	100 N
传输特性	
传播速度	82 %
传播延迟值，最大100MHz	536 ns/100m
使用特性	
气体腐蚀性	IEC 60754-1; IEC 60754-2
操作温度，范围	-20...60 °C
类型	Cat. 7
阻燃 - 火焰	IEC 60332-1

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烟密度	IEC 61034
包装	Drum 4000 m
环境安装温度，范围	-10...60 °C
最小弯曲半径 - 安装	62 mm
最小弯曲半径 - 工作	31 mm

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