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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Caractéristiques

Caractéristiques de construction	
Gaine extérieure	SHF 1
Couleur de la gaine	Orange
Type de câble	S/FTP
Ecran individuel	Ruban Aluminium / Polyester
Ecran général	Tresse cuivre étamé
Caractéristiques dimensionnelles	
Masse approximative	61 kg/km
Nombre de paires	4
Section AWG du conducteur	AWG 23
Diamètre sur isolation	1.32 mm
Diamètre externe nominal (mm)	7.7 mm
Caractéristiques électriques	
Capacité effective	56 nF/km
Impédance caractéristique	100 Ohm
Résistance ohmique max. du conducteur à 20°C	75 Ohm/km
Caractéristiques mécaniques	
Maximum operating pulling force	100 N
Caractéristiques de transmission	
Vitesse de propagation	82 %
Retard de propagation maximal à 100 MHz	536 ns/100m
Caractéristiques d'utilisation	
Corrosivité des fumées	IEC 60754-1; IEC 60754-2
Température ambiante d'utilisation, plage	-20...60 °C
Catégorie	Cat. 7
Non propagateur de la flamme	IEC 60332-1

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Densité de fumée dégagée	IEC 61034
Conditionnement	Drum 4000 m
Température ambiante lors de l'installation, plage	-10...60 °C
Minimum Bend Radius - During Installation (under Tension)	62 mm
Rayon de courbure minimum - installé	31 mm

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