

LANmark 工业铜缆

LANMARK INDUSTRY S/FTP AWG23 CAT 6A LSZH DCA ORANGE + PE FCA BLACK 500M REEL

Aginode Ref: N10i.005-ODKF

- For installation in industrial premises
- High shielding performance for harsh environments
- Enhanced mechanical properties
- Designed to support industrial Ethernet based automation
- Optimised for use with LANmark connectors
- PE outer jacket
- LSZH inner jacket with reaction-to-fire performance according to CPR classification Dca-s2,d1,a1 (h/EN50575:2014+A1:2016)

Specification

The high performing LANmark Industry S/FTP LSZH + PE cables meet or exceed all Category 6A parameters. They comply with the electrical and mechanical requirements of the ISO/IEC 11801-3:2017 standard for industrial premises and with the MICE rating for environmental conditions.

When terminating the cable with LANmark-6A connectors, the Class EA Permanent Link requirements of ISO/IEC 11801 are met.

When used with LANmark-6 connectivity, optimal headroom to 250MHz Class E performance is ensured.

The cables offer a protective PE sheath which is water, UV and moisture resistant. They can be installed outdoors in ducts and are suitable for use indoors when the PE sheath is removed.

This cable version is made with an inner LSZH jacket complying with reaction-to-fire performance Dca-s2,d1,a1 according to the European CPR classification. The cable with its outer PE jacket is classified Fca.

Application

LANmark Industry S/FTP LSZH + PE cables will support Industrial Ethernet applications as well as high speed data applications.



STANDARDS

EN 50173
EN 50288-4-1
IEC 61156-5
IEEE 802.3bt (PoE++)
ISO/IEC 11801
ISO/IEC 24702

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.

- 10Base-T,
- 100 Base-T
- 1GBase-T
- 10GBase-T
- Industrial Ethernet

Screening

LANmark Industry S/FTP LSZH + PE cables consist of individually screened pairs, bundled by an overall braid. They comply with the EMC requirements for screened cables and show excellent transfer impedance values. They are designed for electrically "noisy" environments.

Transfer impedance (Grade 1)

- 10mOhm/m at 1 MHz
- 10mOhm/m at 10 MHz
- 30mOhm/m at 30 MHz
- 60mOhm/m at 100 MHz

LANmark Industry S/FTP AWG23 Cat 6A LSZH Dca Orange + PE Fca Black 500m reel

Characteristics

结构特性

外护套	聚乙烯
护套颜色	Orange / Black
无卤	是
无铅	Yes
内护套	Low smoke, zero halogen thermoplastic compound
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	66 kg/km
外径	8.6 mm
线对数	4
导体横截面尺寸 (AWG)	23
绝缘外径	1.2 mm

电气特性

互电容	56 nF/km
最大工作频率	600 MHz
特性阻抗	100 Ohm
20°C时导体的最大直流电阻	95 Ohm/km

机械特性

最大长期拉力负载	0.1 kN
敷设最大牵引力	0.12 kN

传输特性

时延值	25 ns/100m
传播速度	82 %

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耦合衰减在30MHz	80 dB
传播延迟值, 最大100MHz	535 ns/100m

使用特性

抗电磁干扰	Yes
应用类型	固定安装
长度	500 m
操作温度, 范围	-20...70 °C
无硅	Yes
类型	Cat. 6A
Fire load	700 MJ/km
阻燃 - 火焰	IEC 60332-1
包装	电缆盘
环境安装温度, 范围	-5...70 °C
RoHS compliant	Yes
最小弯曲半径 - 安装	130 mm
最小弯曲半径 - 工作	86 mm

文件

[Freetable LM6A FFTP V3.xls xls](#) — 25.5 KB 下载 ↓