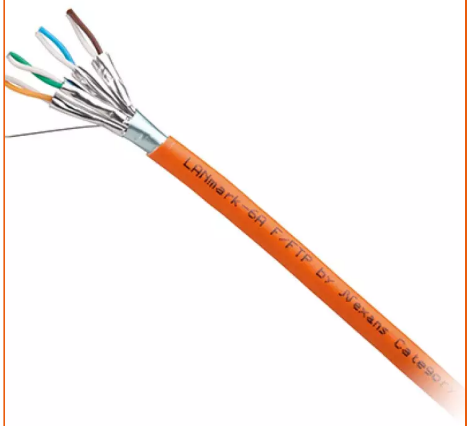
LANmark-6A Cable

LANMARK-6A F/FTP AWG23 CAT 6A LSZH CCA S1A D1 A1 ORANGE 500M REEL



Aginode Ref: N100.694G-OC

- Ideal cable for 10GBase-T application
- Full compliance to latest standards for Category 6A and Class EA
- Guaranteed performance up to 500MHz
- Individual pair shielding offering Alien Crosstalk immunity
- Enhanced reaction-to-fire performance according to CPR classification Cca-s1a,d1,a1 (h/EN50575:2014+A1:2016)

Application

LANmark-6A cables are the ideal solution for a 10G Ethernet network. The range has been designed specifically to support the higher frequencies required for 10 Gigabit Ethernet, while maintaining full backwards compatibility with today's needs. All LANmark-6A cables are shielded, in order to ensure immunity to Alien Crosstalk and other external interferences.

- 10Base-T Ethernet
- 100Base-TX Fast Ethernet
- 1000Base-TX Gigabit Ethernet
- 10GBase-T 10 Gigabit Ethernet IEEE 802.3
- 155 Mbit ATM
- 1.2 Gbit ATM
- future Cat 6A and Class EA applications
- PoE++ Type 4 (IEEE 802.3bt)

Performance

With guaranteed performance to 500MHz, Aginode LANmark-6A cables exceed the requirements of the International, European and American cable standards, including ISO/IEC 11801, IEC 61156-5, EN 50173, EN 50288 and TIA/EIA 568.2-D

When used in combination with Aginode LANmark-6A connectors and LANmark-6A Ultim patch cords, the system supports the 10GBase-T applications as defined in IEEE 802.3an and meets or exceeds the link and channel requirements for Category 6A and Class EA as defined in

STANDARDS

ANSI/TIA 568.2-D
EN 50173-1
EN 50288-4-1
IEC 60332-3-24
IEC 61156-5
IEEE 802.3bt (PoE++)
ISO/IEC 11801

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TIA/EIA 568.2-D and ISO/IEC 11801.

Installation

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

Guarantees

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

Installations with LANmark-6A cable and connectivity are qualified for a 25 year full system warranty, which includes Parts, Channel Performance, Application Support and Labour, as described in the Aginode Certified System Warranty.

Electrical Performance LANmark-6A FFTP Cable

Freq	Attn in dB		NEXT in dB		PSNEXT in dB		ACR-F in dB		PS ACR-F in dB		PS ANEXT in dB		PS AACR-F in dB		RL in dB	
in MHz	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.
1	2,1	2,1	74,3	104,3	72,3	102,3	67,8	92,8	64,8	89,8	67,0	90,0	67,0	76,7	20,0	26,0
4	3,8	3,8	65,3	95,3	63,3	93,3	55,8	80,8	52,8	77,8	67,0	90,0	66,2	75,9	23,0	29,0
10	5,9	5,9	59,3	89,3	57,3	87,3	47,8	72,8	44,8	69,8	67,0	87,0	58,2	67,9	25,0	31,0
16	7,5	7,5	56,2	86,2	54,2	84,2	43,7	68,7	40,7	65,7	67,0	85,0	54,1	63,8	25,0	31,0
20	8,4	8,4	54,8	84,8	52,8	82,8	41,8	66,8	38,8	63,8	67,0	84,0	52,2	61,9	25,0	31,0
31,25	10,5	10,5	51,9	81,9	49,9	79,9	37,9	62,9	34,9	59,9	67,0	82,1	48,3	58,0	23,6	29,6
62,5	15,0	15,0	47,4	77,4	45,4	75,4	31,9	56,9	28,9	53,9	65,6	79,0	42,3	52,0	21,5	27,5
100	19,1	19,1	44,3	74,3	42,3	72,3	27,8	52,8	24,8	49,8	62,5	77,0	38,2	47,9	20,1	26,1
155	24,1	24,1	41,4	71,4	39,4	69,4	24,0	49,0	21,0	46,0	59,6	74,1	34,4	44,1	18,8	24,8
200	27,6	27,6	39,8	69,8	37,8	67,8	21,8	46,8	18,8	43,8	58,0	72,5	32,2	41,9	18,0	24,0
250	31,1	31,1	38,3	68,3	36,3	66,3	19,8	44,8	16,8	41,8	56,5	71,0	30,2	39,9	17,3	23,3
300	34,3	34,3	37,1	67,1	35,1	65,1	18,3	43,3	15,3	40,3	55,3	69,8	28,7	38,4	16,8	22,8
500	45,3	45,3	33,8	63,8	31,8	61,8	13,8	38,8	10,8	35,8	52,0	66,5	24,2	33,9	15,2	21,2

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LANmark-6A F/FTP AWG23 Cat 6A LSZH Cca s1a d1 a1 Orange 500m reel

Characteristics

结构特性	
颜色	橙
外护套	低烟无卤
电缆类型	F/FTP
尺寸特性	
近似重量	59 kg/km
导体横截面尺寸（AWG）	23
绝缘外径	1.36 mm
标称外径	7.7 mm
电气特性	
互电容	45 nF/km
特性阻抗	100 Ohm
最大转移阻抗在30MHz	120 Ohm/km
20°C时导体的最大直流电阻	80 Ohm/km
机械特性	
最大操作抗拉强度	100 N
传输特性	
时延值	30 ns/100m
传播速度	82 %
耦合衰减在30MHz	>85 dB
传播延迟值，最大100MHz	536 ns/100m
使用特性	
范围	LANmark-6A
气体腐蚀性	IEC 60754-1; IEC 60754-2
长度	500 m
操作温度，范围	-20...60 °C

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类型	Cat. 6A
阻燃 - 火焰	IEC 60332-1
烟密度	IEC 61034
包装	电缆盘
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

文件

Freetable LM6A FFTP V3.xls xls — 25.5 KB 下载

业绩声明

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