LANmark-10G Cable

- 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



Application

LANmark-10G 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. LANmark-10G cables have individual pair shielding, 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
- 155 Mbit ATM
- 1.2 Gbit ATM
- future Cat 6A and Class EA applications

STANDARDS

ANSI/TIA-568-C.2
EN 50173-1
EN 50288-4-1
IEC 61156-5
ISO/IEC 11801

Performance

With guaranteed performance to 500MHz, Aginode LANmark-10G cables meet 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-C.2.

When used in combination with Aginode LANmark-10G connectors and LANmark-10G patch cords, the system supports the 10GBase-T applications as defined in IEEE 802.3an and meets the link and channel requirements for Category 6A and Class EA as defined in TIA/EIA 568-C.2 and ISO/IEC 11801.

Installation

The LANmark-10G cables have the advantage of offering equal dimensions and flexibility as the equivalent LANmark-6

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screened cables with the same ease of installation and termination.

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-10G cable and connectivity are qualified for a 25 year Aginode Link Warranty Certificate.

Electrical Performance LANmark-10G Cable

Freq in MHz	Attn in dB Max.	NEXT in dB Min.	PSNEXT in dB Min.	ACR-F in dB Min.	PS ACR-F in dB Min.	PS ANEXT in dB Min.	PS AACR-F in dB Min.	RL in dB Min.
1	2,1	74,3	72,3	67,8	64,8	67,0	67,0	20,0
4	3,8	65,3	63,3	55,8	52,8	67,0	66,2	23,0
10	5,9	59,3	57,3	47,8	44,8	67,0	58,2	25,0
16	7,5	56,2	54,2	43,7	40,7	67,0	54,1	25,0
20	8,4	54,8	52,8	41,8	38,8	67,0	52,2	25,0
31,25	10,5	51,9	49,9	37,9	34,9	67,0	48,3	23,6
62,5	15,0	47,4	45,4	31,9	28,9	65,6	42,3	21,5
100	19,1	44,3	42,3	27,8	24,8	62,5	38,2	20,1
155	24,1	41,4	39,4	24,0	21,0	59,6	34,4	18,8
200	27,6	39,8	37,8	21,8	18,8	58,0	32,2	18,0
250	31,1	38,3	36,3	19,8	16,8	56,5	30,2	17,3
300	34,3	37,1	35,1	18,3	15,3	55,3	28,7	16,8
500	45,3	33,8	31,8	13,8	10,8	52,0	24,2	15,2

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CHARACTERISTICS

Construction characteristics

Outer sheath	LSZH
Type of cable	U/FTP

Resources

Documentation

Freetable LM6A UFTP V2.xls xls — 23.5 KB Download

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Product list

	Aginode ref.	Country ref.	Name	Outer sheath	Type of cable
☎	N10G.UF4-OD	-	LANmark-10G U/FTP AWG23 Cat 6A LSZH Dca s2 d2 a1 Orange 500m reel	LSZH	U/FTP

☎ = Make to order, = In Stock

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