

# LANmark-6A Cable (International)

- Ideal cable for 10GBase-T application
- Full compliance to latest standards for Category 6A and Class EA
- Guaranteed performance up to 500MHz
- Global or individual pair shielding offering Alien Crosstalk immunity

## 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

## 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-C.2.

When used in combination with Aginode LANmark-6A Evo 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 TIA/EIA 568-C.2 and ISO/IEC 11801.

## Installation

The LANmark-6A cables have the advantage of offering flexibility for installation and termination.



## STANDARDS

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

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 Cable (International)

Freq in MHz	Attm 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	
	Max	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ
1	2.1	2.1	74.3	79.3	72.3	77.3	67.8	67.8	64.8	64.8	67.0	90.0	67.0	76.7	20.0	26.0
4	3.8	3.8	65.3	70.3	63.3	68.3	55.8	75.8	52.8	72.8	67.0	90.0	66.2	75.9	23.0	29.0
10	5.9	5.9	59.3	64.3	57.3	62.3	47.8	67.8	44.8	64.8	67.0	87.0	58.2	67.9	25.0	31.0
16	7.5	7.5	56.2	61.2	54.2	59.2	43.7	63.7	40.7	60.7	67.0	85.0	54.1	63.8	25.0	31.0
20	8.4	8.4	54.8	59.8	52.8	57.8	41.8	61.8	38.8	58.8	67.0	84.0	52.2	61.9	25.0	31.0
31.25	10.5	10.5	51.9	56.9	49.9	54.9	37.9	57.9	34.9	54.9	67.0	82.1	49.3	58.0	23.8	29.6
62.5	15.0	15.0	47.4	52.4	45.4	50.4	31.9	51.9	28.9	48.9	65.6	79.0	42.3	52.0	21.5	27.5
100	19.1	19.1	44.0	49.0	42.0	47.0	27.8	47.8	24.8	44.8	62.5	77.0	38.2	47.9	20.1	26.1
155	24.1	24.1	41.4	46.4	39.4	44.4	24.0	44.0	21.0	41.0	59.6	74.1	34.4	44.1	18.8	24.8
200	27.6	27.6	39.8	44.8	37.8	42.8	21.8	41.8	18.8	38.8	56.0	72.5	32.2	41.9	19.0	24.0
250	31.1	31.1	38.0	43.0	36.0	41.0	19.8	39.8	16.8	36.8	54.5	71.0	30.9	39.9	17.3	23.3
300	34.3	34.3	37.1	42.1	35.1	40.1	18.3	38.3	15.3	35.3	53.0	69.8	28.7	38.4	16.8	22.8
500	45.3	45.3	33.8	38.8	31.8	36.8	13.8	33.8	10.8	30.8	52.0	66.5	24.2	33.9	15.2	21.2

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.

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## CHARACTERISTICS

### Construction characteristics

Outer sheath	LSZH-FR
Type of cable	F/UTP

## Resources

### Documentation

Freetable LM6A F1UTP V3\_2.xls xls — 21 KB [Download](#) ⚡

## Product list

	Aginode ref.	Country ref.	Name	Outer sheath	Type of cable
☎	N100.675G-O5	-	LANmark-6A F/UTP AWG23 Cat 6A LSZH-FRT Orange 1000m reel	LSZH-FR	F/UTP
☎	N100.676G-O5	-	LANmark-6A F/UTP AWG23 Cat 6A LSZH-FRT Orange 500m reel	LSZH-FR	F/UTP
🏠	N100.692G	-	LANmark-6A F/FTP AWG23 Cat 6A LSZH Orange 1000m reel	LSZH	F/FTP
☎	N100.692G-O5	-	LANmark-6A F/FTP AWG23 Cat 6A LSZH-FRT Orange 1000m reel	LSZH-FR	F/FTP
🏠	N100.671G	-	LANmark-6A F/UTP AWG23 Cat 550Mhz 6A LSZH Orange 1000m reel	LSZH	F/UTP
🏠	N100.672G	-	LANmark-6A F/UTP AWG23 Cat 6A 550Mhz LSZH Orange 500m reel	LSZH	F/UTP
☎	N100.682G-O5	-	LANmark-6A U/FTP AWG23 Cat 6A LSZH-FRT Orange 1000m reel	LSZH-FR	U/FTP
🏠	N100.692G-B	-	LANmark-6A F/FTP AWG23 Cat 6A LSZH Orange 1000m reel	LSZH	F/FTP

☎ = Make to order, 🏠 = In Stock

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