

# LANmark-6 Cable

## Contact

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- Comply with all Category 6 cable standards
- Support Class E applications
- Central cross member maintains geometry and performance
- Tested up to 350MHz

## DESCRIPTION

### Application

Nexans LANmark-6 cables are the ideal solution for most of today's network requirements in normal office environments. They are manufactured and tested to the latest Category 6 specifications defined in the International and American cable standards and are designed to meet the quality and performance criteria needed to support all applications up to 250 MHz.

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155 MBit ATM
- 622 MBit ATM
- 1.2 Gbit ATM
- Future class E applications

### Design

The LANmark-6 cables have a central PE cross which helps maintaining the stability of the cable geometry and reduces the risk of a reduction in performance when bending the cable.

The cables are available with a Dark Grey PVC or an Orange LSZH sheath. Both versions have flame retardant properties compliant with IEC 60332-1.

### Performance

Tested to 350 MHz and with guaranteed performance to 250 MHz, Nexans LANmark-6 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.

### 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

The LANmark-6 cable performance is guaranteed to meet or exceed the requirements of the above mentioned standards.

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

Installations with LANmark-6 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 Nexans Certified System Warranty.



# LANmark-6

## STANDARDS

















**International** EN 50288;  
IEC 61156-5; ISO/IEC 11801



**National** ANSI/TIA-568-C.2

## TECHNICAL DATA

Type of cable	Outer sheath	Colour
U/UTP	LSZH	Orange
U/UTP	PVC	Grey

## PRODUCT LIST

Nexans ref.	Name	Type of cable	Outer sheath	Fire retardant
 N100.623	LANmark-6 F1/UTP Dual LSZH 500m reel	FTP Shotgun	LSZH	
 N100.622	LANmark-6 F1/UTP LSZH 1000m reel	F/UTP	LSZH	
 N100.624	LANmark-6 F1/UTP LSZH 500m reel	F/UTP	LSZH	
 N100.622-O5	LANmark-6 F1/UTP LSZH-FRT 1000m reel	F/UTP	LSZH-FR	IEC 60332-3-24
 N100.603	LANmark-6 F2/UTP Dual LSZH 500m reel	F <sup>2</sup> TP Shotgun	LSZH	
 N100.601	LANmark-6 F2/UTP LSZH 1000m reel	F <sup>2</sup> TP	LSZH	
 N100.662	LANmark-6 F2/UTP LSZH 500m reel	F <sup>2</sup> TP	LSZH	
 N100.661	LANmark-6 F2/UTP PVC 500m reel	F <sup>2</sup> TP	PVC	
 N100.606	LANmark-6 U/UTP LSZH 1000m reel	U/UTP	LSZH	
 N100.607	LANmark-6 U/UTP LSZH 305m Box	U/UTP	LSZH	
 N100.604	LANmark-6 U/UTP LSZH 305m reel in box	U/UTP	LSZH	
 N100.605	LANmark-6 U/UTP LSZH 500m reel	U/UTP	LSZH	
 N100.605-O5	LANmark-6 U/UTP LSZH-FRT 500m reel	U/UTP	LSZH-FR	IEC 60332-3-25
 N100.617	LANmark-6 U/UTP PVC 305m Box	U/UTP	PVC	
 N100.614	LANmark-6 U/UTP PVC 305m reel in box	U/UTP	PVC	
 N100.608	LANmark-6 U/UTP PVC 500m reel	U/UTP	PVC	

 = Make to order,  = In stock

## ELECTRICAL PERFORMANCE LANMARK-6 CABLES

All values are specified at 20°C

	IL		NEXT		PSNEXT		ACR-F		PS ACR-F		RL	
Freq.	in Db/100m		in dB		in dB		in dB		in dB		in dB	
in MHz	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.
<b>1</b>	2.0	2.0	74.3	80.3	72.3	78.3	67.8	72.8	64.8	69.8	20.0	22.0
<b>4</b>	3.8	3.8	65.3	71.3	63.3	69.3	55.8	60.8	52.8	57.8	23.0	25.0
<b>10</b>	6.0	6.0	59.3	65.3	57.3	63.3	47.8	52.8	44.8	49.8	25.0	27.0
<b>16</b>	7.6	7.6	56.2	62.2	54.2	60.2	43.7	48.7	40.7	45.7	25.0	27.0
<b>20</b>	8.5	8.5	54.8	60.8	52.8	58.8	41.8	46.8	38.8	43.8	25.0	27.0
<b>31.25</b>	10.7	10.7	51.9	57.9	49.9	55.9	37.9	42.9	34.9	39.9	23.6	25.6
<b>62.5</b>	15.4	15.4	47.4	53.4	45.4	51.4	31.9	36.9	28.9	33.9	21.5	23.5
<b>100</b>	19.8	19.8	44.3	50.3	42.3	48.3	27.8	32.8	24.8	29.8	20.1	22.1
<b>155</b>	25.2	25.2	41.4	47.4	39.4	45.4	24.0	29.0	21.0	26.0	18.8	20.8
<b>200</b>	29.0	29.0	39.8	45.8	37.8	43.8	21.8	26.8	18.8	23.8	18.0	20.0
<b>250</b>	32.8	32.8	38.3	44.3	36.3	42.3	19.8	24.8	16.8	21.8	17.3	19.3
<b>300</b>	-	36.4	-	43.1	-	41.1	-	23.3	-	20.3	-	18.8
<b>350</b>	-	39.8	-	42.1	-	40.1	-	21.9	-	18.9	-	18.3