

## LANmark-7 Cable

- Exceeds Category 7 to 1000MHz
  - Optimised for use with LANmark-7 GG45 connector
  - Easy to install
  - Suitable for CaTV and Cable Sharing Applications
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### Description

#### Specification

LANmark-7 cable is a 4pr STP with individual pair foils and an overall braid offering superior performance to 1000MHz. It is fully compliant with the Category 7 standards and when installed together with the GG45 LANmark-7 connector as a system is guaranteed to exceed even the toughest channel requirements.

#### Application

LANmark-7 is the highest performing standardised solution in the market and will support all current and planned data applications.

- All Ethernet applications including
- 1000baseT
- 1000baseTX
- CaTV up to 862MHz
- ANy future Class F application
- Cable sharing applications

#### Installation

Installation is one of the unique features of LANmark-7 cable. Extra attention has been paid to ensure screen coverage is maintained both during and after installation. The cable is been designed specifically to offer both optimum performance and ease of termination when used in conjunction with the LANmark-7 GG45 connector.

#### Guarantees

Nexans LANmark-7 cable is covered by the guarantee that it is Category 7 and by a parts and labour warranty as described in the Nexans Certified System Warranty.

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**LANmark-7**

### Standards

**International** EN 50173; EN 50288-4-1; ISO/IEC 11801; ISO/IEC 61156-5

### Contact

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## Electrical Performance

all values are specified at 20°C

Frequency	Attenuation dB/100m		NEXT dB		ACR dB/100m		PSNEXT(*) dB		ELFEXT dB/100m		PSELFEXT dB/100m		RL dB	
	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ
<b>1</b>	2.0	1.9	80.0	>100	78.0	>100	77.0	>100	80.0	>100	77.0	>100	20.0	23.0
<b>4</b>	3.6	3.5	80.0	>100	76.4	>100	77.0	>100	80.0	>100	77.0	>100	23.0	26.0
<b>10</b>	5.7	5.5	80.0	>100	74.3	99.5	77.0	>100	74.0	>100	71.0	>100	25.0	28.0
<b>16</b>	72.0	7.0	80.0	>100	72.8	98.0	77.0	>100	69.9	99.9	66.9	96.9	25.0	28.0
<b>20</b>	8.1	7.8	80.0	>100	71.9	97.2	77.0	>100	68.0	98.0	65.0	95.0	25.0	28.0
<b>31.25</b>	10.1	9.9	80.0	>100	69.9	95.1	77.0	>100	64.1	94.1	61.1	91.1	23.6	26.6
<b>62.5</b>	14.5	14.1	75.5	>100	61.0	90.9	72.5	>100	58.1	88.1	55.1	85.1	21.5	24.5
<b>100</b>	18.5	18.0	72.4	>100	53.9	85.0	69.4	>100	54.0	84.0	51.0	81.0	20.1	23.1
<b>155</b>	23.4	22.7	69.6	>100	46.2	79.3	66.6	>100	50.2	80.2	47.2	77.2	18.8	23.1
<b>200</b>	26.8	26.0	67.9	>100	41.1	74.0	64.9	98.0	48.0	78.0	45.0	75.0	18.0	23.1
<b>250</b>	30.2	29.4	66.5	98.0	36.3	68.6	63.5	96.0	46.0	76.0	43.0	73.0	17.3	23.1
<b>300</b>	33.3	32.5	65.3	96.0	32.0	63.5	62.3	94.0	44.5	74.5	41.5	71.5	17.3	23.1
<b>600</b>	48.9	47.6	60.8	88.0	11.9	40.4	57.8	86.0	38.4	68.4	35.4	65.4	17.3	20.3
<b>1000</b>	-	63.6	-	82.0	-	18.4	-	80.0	-	64.0	-	61.0	-	20.3

(\*) Dual cable versions additionally comply to the additional PSNEXT requirements for multi-unit cables as specified in the relevant TIA and IEC cable standards.

## Product List

Nexans ref.	Name
N100.373	LAN mark-7 CAT7 STP DUAL 23 AWG LSHF ORANGE 500m REEL
N100.371	LANmark-7 CAT7 STP 23 AWG LSHF ORANGE 1000m REEL
N100.376	LANmark-7 Lloyds CAT7 STP 23 AWG LSHF Blue 500m REEL