

LANmark-6 UTP Cat6 new LSZH Box 305m

- Complies to latest Cat 6 standards
- Supports Class E applications
- Central cross member maintains geometry and performance
- Tested up to 350MHz

Nexans ref.: N100.607N

Description

Application

LANmark-6 cable is the ultimate solution for a future proof network. It is specifically designed to support the exacting requirements for tomorrow's protocols, yet is fully backwards compatible with today's needs. It is the recommended cable for all forthcoming installations.

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

LANmark-6 is independently verified to exceed the requirements of the ISO/IEC 11801:2002 Category 6 requirements.

Performance

Tested to 350 MHz and with guaranteed performance to 250 MHz, Nexans LANmark-6 cables provide guaranteed headroom and bandwidth over and above the requirements of all international, european and american cable standards, including ISO/IEC 11801:2002, IEC 61156-5, EN 50173, EN 50288, TIA/EIA 568-B.2-1.

Installation

LANmark-6 is installed in exactly the same way as Category 5 cables. The C³ central cross member reduces the risk of crushing and kinking.


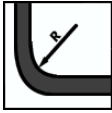
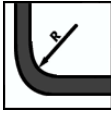
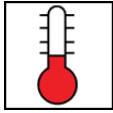



LANmark-6

Standards

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

National TIA/EIA-568-B.2-1

				
Operating temperature, range -20 .. 60 °C	Minimum static operating bending radius 23.0 mm	Laying operation bending radius 45.0 mm	Ambient installation temperature, range 0 .. 50 °C	Flame retardant IEC 60332-1

Made for Andrew Garfield

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<http://www.nexans.co.uk/e-service>

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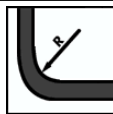
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Contact

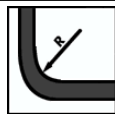
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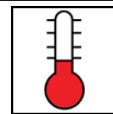
Operating temperature,
range
-20 .. 60 °C



Minimum static operating
bending radius
23.0 mm



Laying operation bending
radius
45.0 mm



Ambient installation
temperature, range
0 .. 50 °C



Flame retardant
IEC 60332-1

Nexans ref.: N100.607N

Characteristics

Construction characteristics

Type of cable	UTP
Outer sheath	LSZH
Colour	Orange

Dimensional characteristics

Diameter over insulation	0.94 mm
Nominal outer diameter	5.6 mm
Approximate weight	35 kg/km
Gauge (AWG)	24

Electrical characteristics

Max. DC-resistance of the conductor at 20° C	70 Ohm/km
Characteristic impedance	100 Ohm

Transmission characteristics

Attenuation, max. 250 MHz	32.8 dB/100m
Near End Crosstalk, 250MHz	38.3 dB
Attenuation Crosstalk Ratio, 250MHz	5.5 dB/100m
Powersum Near End Crosstalk, 250MHz	36.3 dB
Powersum Equal Level Far End Crosstalk, 250Mhz	19 dB
Return loss, 250MHz	17.3 dB
Skew	30 ns/100m
Coupling attenuation at 30 MHz	45 dB
Mutual capacitance	56 nF/km
Velocity of propagation	68.0 %
Propagation delay, max. 100 MHz	536 ns/100m

Usage characteristics

Packaging	Box
Length	305 m
Operating temperature, range	-20 .. 60 °C
Minimum static operating bending radius	23.0 mm
Laying operation bending radius	45.0 mm
Ambient installation temperature, range	0 .. 50 °C
Category	Cat. 6
Flame retardant	IEC 60332-1
Component function	Cable