

## LANmark-6 S-FTP Cat6 LSZH + PE 500m reel

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

Nexans ref.: 390206

### 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 outdoor cable is not suitable for direct burial it has to be protected in a duct. LANmark-6 outdoor cable can be installed indoor if the outer sheat is removed using the rip cord. When this is done the cable is exact the same as the LANmark-6 S-FTP LSZH cable for indoor use.




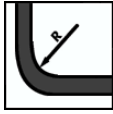
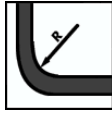


**LANmark-6**

### Standards






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

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

				
Flame retardant	Operating temperature, range	Ambient installation temperature, range	Minimum static operating bending radius	Bending radius during installation
No	-20 .. 40 °C	-10 .. 50 °C	41.0 mm	81.0 mm

## Contact

Telekabel  
SE-514 81 Grimsås  
Sweden  
Phone: +46 325 80 000  
telecomcable-pc.se@nexans.com

				
Flame retardant	Operating temperature, range	Ambient installation temperature, range	Minimum static operating bending radius	Bending radius during installation
No	-20 .. 40 °C	-10 .. 50 °C	41.0 mm	81.0 mm

Nexans ref.: 390206

## Characteristics

### Construction characteristics

Type of cable	S-FTP
Outer sheath	PE
Colour	Black
Inner sheath	Halogen free flame retardant

### Dimensional characteristics

Gauge (AWG)	24
Diameter over insulation	1.13 mm
Nominal outer diameter	10.1 mm
Approximate weight	80 kg/km

### Electrical characteristics

Transfer impedance	20
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
Mutual capacitance	56 nF/km
Velocity of propagation	68.0 %
Coupling attenuation at 30 MHz	80 dB
Propagation delay, max. 100 MHz	536 ns/100m

### Usage characteristics

Packaging	Reel
Length	500 m
Category	Cat. 6
Flame retardant	No
Component function	Cable
Operating temperature, range	-20 .. 40 °C
Ambient installation temperature, range	-10 .. 50 °C
Minimum static operating bending radius	41.0 mm
Bending radius during installation	81.0 mm