

Cables LANmark® 6

LANmark-6 F1/UTP LSZH 500m reel

Ref. Nexans: N100.624

- Complies to Category 6 standards
- Guaranteed performance to 250MHz
- Supports Class E applications
- Central cross member maintains geometry and performance

Descripción

Application

LANmark-6 F1TP is designed to provide compliance to the requirements of the ISO/IEC 11801:2002 Category 6. It supports all Class E applications including but not limited to:

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

Performance

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 F1TP is a screened cable offering a foil which has metallic side facing outwards. This eases installation by providing direct contact with the metal rear cover and clip-on in connectors and patch panels. The C³ central cross member reduces the risk of crushing and kinking.

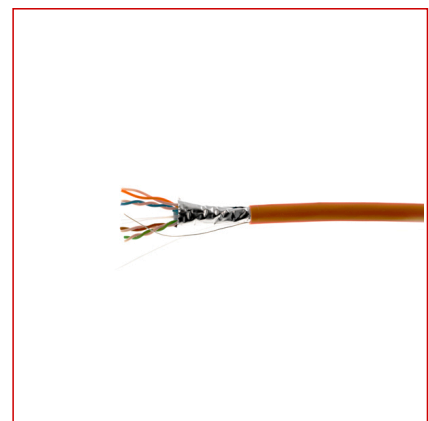
Guarantees

Nexans LANmark-6 cable is covered by the guarantee that it is Category 6 and by a parts and labour warranty as described in the Nexans Certified System Warranty. When used together with LANmark-6 products, a full 20 years LANmark E channel warranty can be obtained.

Características

Características de construcción

Tipo de cable	F/UTP
Cubierta exterior	LSZH
Color	Naranja



LANmark-6

Estándares

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

Nacional ANSI/TIA-568-C.2



operation bending
rad.
57 mm



Radio de curvatura mínimo en
operación estática
29 mm



Ambient installation T°
C range
-10 .. 50 °C



Operating temp.
range
-20 .. 60 °C



No propagador del
incendio
No



No propagación de la
llama
IEC 60332-1

Características de construcción	
Pantalla	Cinta de aluminio
Características dimensionales	
Diámetro sobre aislamiento	1,13 mm
Galga (AWG)	24
Diámetro exterior nominal	7,3 mm
Peso aproximado	52 kg/km
Características eléctricas	
Capacitancia mutua	56 nF/km
Resistencia máxima del conductor en CC a 20° C	70 Ohm/km
Impedancia característica	100 Ohm
Impedancia de transferencia	45
Características de transmisión	
ACR (Attenuation Crosstalk Ratio) a 250 MHz	5,5 dB/100m
"Skew"	30 ns/100m
Velocidad de propagación	68,0 %
"Coupling attenuation" a 30 MHz	80 dB
Retardo en la propagación, máx. 100 MHz	536 ns/100m
Características de uso	
Categoría	Cat. 6
Serie	LANmark-6
Radio de curvatura tendido en operación	57 mm
Radio de curvatura mínimo en operación estática	29 mm
Temperatura ambiente de instalación (rango)	-10 .. 50 °C
Temperatura ambiente de utilización (rango)	-20 .. 60 °C
No propagador del incendio	No
No propagación de la llama	IEC 60332-1
Longitud	1000 m
Embalaje	Bobina desechable
Campo de aplicación	Fixed installations



operation bending
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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
1	2.0	74.3	72.3	72.3	70.0	67.0	20.0
4	3.8	65.3	61.5	63.3	58.0	55.0	23.0
10	6.0	59.3	53.3	57.3	50.0	47.0	25.0
16	7.6	56.2	48.6	54.3	45.9	42.9	25.0
20	8.5	54.8	46.3	52.8	44.0	41.0	25.0
31.25	10.7	51.9	41.2	49.9	40.5	37.5	23.6
62.5	15.4	47.4	32.0	45.4	34.1	31.1	21.5
100	19.8	44.3	24.5	42.3	30.0	27.0	20.1
155	25.2	41.4	16.2	39.5	26.2	23.2	18.8
200	29.0	39.8	10.8	37.8	24.0	21.0	18.0
250	32.8	38.3	5.5	36.3	22.0	19.0	17.3