Nexans

- High speed RJ45 patch cord to run 10GBase-T (IEEE 802.3an)

- High Density support : 48 cords on 1 height unit

- Frequency up to 500MHz, fully complies to Cat 6A channel requirements

- Screened Design for Alien Crosstalk immunity

- Externally certified

- Retrofit Latch Protector available in 8 colours for colour coding

Description

Application

LANmark-6 10G Cords are developed to support 10 Gigabit Ethernet (IEEE 802.3an).

LANmark-6 10G Cords offer superior performance up to 500MHz and are matched with other LANmark-6 10G components to provide improved data throughput in complex channel configurations. LANmark-6 10G Cords use stranded cable and as such provide maximum system flexibility for the use at Cross Connects and Consolidation points.

LANmark-6 10G Cords feature a robust boot which does not extent outside the RJ45 boundaries to enable High Density Patching with 48 cords in 1 height unit and a Retrofit Latch Protector, which can be used for color coding of different services.
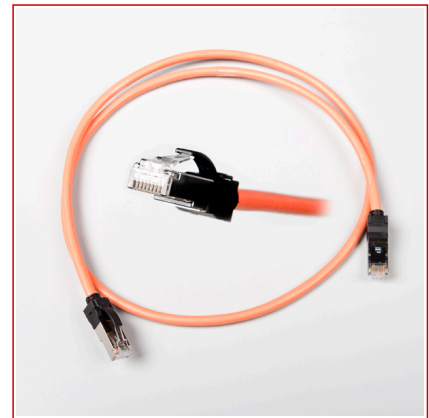
Performance

LANmark-6 10G Cords fully comply and exceed the channel requirements of EIA/TIA-568-C.2 and ISO11801 and enable to achieve high performing 10G channels.

Guarantees

When installed in combination with other LANmark-6 10G components, a 25 years channel warranty can be obtained, covering full 10GBase-T support and full Cat 6A/Class EA compliance.

Usage

- The cords are by design fully Alien Crosstalk compliant, so no special installation rules need to be taken into account for ANEXT and AFEXT compliance.

- 1, 2, 3, 5, 10, 20m are standard lengths available from stock, other lengths are available on demand.

- Orange and Dark Grey are standard colours available from stock, other colours are available on demand.

- Default Plug configuration is a black boot with a preinstalled black latch protector, other combinations available on request.

LANmark-6 10G

Standards

International IEEE 802.3an; ISO/IEC 11801; ISO/IEC TR24750

National ANSI/TIA-568-C.2; TIA/EIA TSB-155

Fire retardant
IEC 60332 Part 1

LANmark-6 10G UniBoot Patch Cords

LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 1m Orange
Nexans ref.: N11G.P1B010OK

Characteristics

Construction characteristics	
Colour	Orange
Screen	Yes
Outer sheath	LSZH
Dimensional characteristics	
Nominal outer diameter	6.0 mm
Usage characteristics	
Range	LANmark-6 10G
Length	1 m
Mechanical durability/matings	750
Category	Cat. 6
Fire retardant	IEC 60332 Part 1
Component function	Patchcord
Packaging	Box of 50 items
Minimum Bend Radius - Installed	24 mm
Minimum Bend Radius - During Installation (under Tension)	48 mm

Electrical Performance LANmark-6 10G 100m 4 connector channel

all values are specified at 20°C

Freq	Attn dB		NEXT dB		PSNEXT dB		ELFEXT dB		PS ELFEXT dB		PS ANEXT dB		PS AELFEXT dB		RL dB	
	Std	Guar	Std	Guar	Std	Guar	Std	Guar	Std	Guar	Std	Guar	Std	Guar	Std	Guar
1	<4	<4	72.7	>75	70.3	74.3	63.3	>60	60.3	>60	82.0	>90	77.9	87.9	19.0	21.0
4	4.2	4.1	63.0	66.0	60.5	64.5	51.2	57.2	48.2	57.2	76.0	>90	65.9	75.9	19.0	21.0
10	6.6	6.5	56.6	59.6	54.0	58.0	43.3	49.3	40.3	49.3	72.0	87.0	57.9	67.9	19.0	21.0
16	8.3	8.2	53.2	56.2	50.6	54.6	39.2	45.2	36.2	45.2	70.0	85.0	53.8	63.8	18.0	20.0
20	9.3	9.2	51.6	54.6	49.0	53.0	37.2	43.2	34.2	43.2	69.0	84.0	51.9	61.9	17.5	19.5
31.25	11.7	11.6	48.4	51.4	45.7	49.7	33.4	39.4	30.4	39.4	67.1	82.1	48.0	58.0	16.5	18.5
62.5	16.9	16.6	43.4	46.4	40.6	44.6	27.3	33.3	24.3	33.3	64.0	79.0	42.0	52.0	14.0	16.0
100	21.7	21.4	39.9	42.9	37.1	41.1	23.3	29.3	20.3	29.3	62.0	77.0	37.9	47.9	12.0	14.0
155	27.6	27.1	36.7	39.7	33.8	37.8	19.5	25.5	16.5	25.5	59.1	74.1	34.1	44.1	10.1	12.1
200	31.7	31.2	34.8	37.8	31.9	35.9	17.2	23.2	14.2	23.2	57.5	72.5	31.9	41.9	9.0	11.0
250	35.9	35.4	33.1	36.1	30.2	34.2	15.3	21.3	12.3	21.3	56.0	71.0	29.9	39.9	8.0	10.0
300	39.8	39.2	31.7	34.7	28.8	32.8	13.7	19.7	10.7	19.7	54.8	69.8	28.4	38.4	7.2	9.2
500	53.4	52.6	22.0	25.0	20.4	24.4	9.3	15.3	6.3	15.3	51.5	66.5	23.9	33.9	6.0	8.0

Guaranteed channel values apply under the condition that General Installation Guidelines from NCS and the Design and Installation Guidelines for LANmark-6 10G are respected and implemented.