

## LANmark-6 10G UniBoot Patch Cords

- 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 6 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 extend 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-B.2-10 and ISO11801 A2 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 11801:2002/Amd 1:2008/Cor 1:2008; ISO/IEC TR24750

**National** TIA/EIA TSB-155; TIA/EIA-568-B.2-10

## LANmark-6 10G UniBoot Patch Cords

### Product List

☎=Make to order, 📦=In stock

Nexans ref.	Name	Range	Length (m)	Colour	Screen
📦 N11G.P1B100DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 10m Grey	LANmark-6 10G	10	Grey	Yes
📦 N11G.P1B100OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 10m Orange	LANmark-6 10G	10	Orange	Yes
📦 N11G.P1B010DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 1m Grey	LANmark-6 10G	1	Grey	Yes
📦 N11G.P1B010OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 1m Orange	LANmark-6 10G	1	Orange	Yes
📦 N11G.P1B200DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 20m Grey	LANmark-6 10G	20	Grey	Yes
📦 N11G.P1B200OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 20m Orange	LANmark-6 10G	20	Orange	Yes
📦 N11G.P1B020DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 2m Grey	LANmark-6 10G	2	Grey	Yes
📦 N11G.P1B020OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 2m Orange	LANmark-6 10G	2	Orange	Yes
📦 N11G.P1B030DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 3m Grey	LANmark-6 10G	3	Grey	Yes
📦 N11G.P1B030OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 3m Orange	LANmark-6 10G	3	Orange	Yes
📦 N11G.P1B050DK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 5m Grey	LANmark-6 10G	5	Grey	Yes
📦 N11G.P1B050OK New	LANmark-6 10G Patch Cord Cat 6 500MHz Screened LSZH 5m Orange	LANmark-6 10G	5	Orange	Yes

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### 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

## LANmark-6 10G UniBoot Patch Cords

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.