

## LANmark-7A Patch Cord

LANmark-7A GG45 Patchcords

- High bandwidth patch cord for 40 Gigabit applications and beyond
- Runs the GG45 '2in1' Connector in its high speed GG-Mode
- Both Sides use GG45 8 Contact Plugs up to 1000 MHz according IEC61076-3-110
- Allow full 4-connector Class FA channels
- Compatible with High Density requirements in Data Centres

### Description

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Nexans LANmark-7A patch cords with GG45 8C non-switched plugs enable a GG45 7A permanent link to be used in 1000 MHz mode. The protruding part on the plug activates the switch within the GG45 7A "2in1" jack and terminates the none used contacts of RJ45 to ground. Using the contacts in the extreme outer corners of the RJ45 interface for transmission, excellent NEXT and Return Loss performances are achieved.

Nexans LANmark-7A patch cords maximise the full performance of the channel and will exceed the requirements of the ISO 4 connector model. This provides improved data throughput up to 1000 MHz and allows for the inclusion of additional patching or Consolidation Points for maximum system flexibility and all future data applications according ISO 11801.

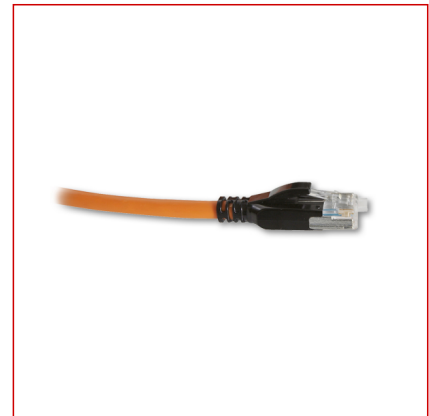
- High Speed patch cords
- Screened
- 2 x GG45 8C 4-pair

#### Guarantees

- Reliable connections over the lifetime of the cabling system.
- Compatible with IEC 61076-3-110
- Compatible with Class F and Class FA standards (ISO 11801:2008)

#### Installation

- Look and Feel of a RJ45 plug (just using different contact positions)
- Self-latching, high reliability GG45 (IEC61076-3-110) screened connectors
- Sidebars on the plug avoid errors by using the patch cord for RJ45 jacks
- Low Smoke Halogen Free - Flame Retardant cable jacket
- Orange color, different colors available on request
- 1, 2, 3 and 5m lengths, others lengths available on request

**LANmark-7A**

#### Normes

Internationales ISO/IEC 11801

Non propagateur de l'incendie  
IEC 60332 Part 1

## LANmark-7A Patch Cord

### Caractéristiques

<b>Caractéristiques de construction</b>	
Gaine extérieure	LSZH-FR
Couleur	Orange
<b>Caractéristiques dimensionnelles</b>	
Diamètre externe nominal (mm)	6,35 mm
<b>Caractéristiques électriques</b>	
Impédance caractéristique	100 Ohm
<b>Caractéristiques d'utilisation</b>	
Gamme	LANmark-7A
Non propagateur de l incendie	IEC 60332 Part 1
Catégorie	Cat. 7A

### Electrical Performance LANmark-7A

Typical Data given for Worst Case 4-Connector Channel Configurations

Frequency (in MHz)	Attenuation (in dB)		NEXT pp (in dB)		ACR-F (in dB)		RL (in dB)		Coupling Att. (in dB)		PSANEXT (in dB)		PSAFEXT (in dB)	
	Max	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical
	<b>1</b>	4.0	3.6	65.0	104.8	65.0	70.0	19.0	38.0	80.0	106.0	67.0	82.0	80.0
<b>4</b>	4.1	3.7	65.0	94.6	65.0	70.0	19.0	32.0	68.0	94.0	67.0	82.0	79.8	94.8
<b>10</b>	6.4	5.7	65.0	87.8	65.0	70.0	19.0	28.0	60.0	86.0	67.0	82.0	75.9	90.9
<b>16</b>	8.0	7.2	65.0	84.2	63.3	68.3	18.0	26.0	55.9	81.9	67.0	82.0	73.9	88.9
<b>20</b>	9.0	8.1	65.0	82.5	61.4	66.4	17.5	25.0	54.0	80.0	67.0	82.0	72.9	87.9
<b>31.25</b>	11.2	10.1	65.0	79.1	57.5	62.5	16.5	23.1	50.1	76.1	67.0	82.0	71.0	86.0
<b>62.5</b>	15.9	14.3	65.0	73.7	51.5	56.5	14.0	20.0	44.1	70.1	67.0	82.0	68.0	83.0
<b>100</b>	20.3	18.2	65.0	70.0	47.4	52.4	12.0	18.0	40.0	66.0	67.0	82.0	65.9	80.9
<b>155</b>	25.4	22.8	63.0	66.6	43.6	48.6	10.1	16.1	36.2	62.2	67.0	82.0	63.9	78.9
<b>200</b>	28.9	26.0	60.9	64.6	41.4	46.4	9.0	15.0	34.0	60.0	67.0	82.0	62.8	77.8
<b>250</b>	32.5	29.2	59.1	62.8	39.4	44.4	8.0	14.0	32.0	58.0	67.0	82.0	61.8	76.8
<b>300</b>	35.7	32.1	57.7	61.3	37.8	42.8	8.0	13.2	30.5	56.5	67.0	82.0	60.9	75.9
<b>500</b>	46.7	42.0	53.6	57.2	33.4	38.4	8.0	11.0	26.0	52.0	64.5	79.5	58.6	73.6
<b>600</b>	51.4	46.3	52.1	55.8	31.8	36.8	8.0	10.2	24.4	50.4	63.3	78.3	57.8	72.8
<b>700</b>	55.8	50.2	50.8	54.5	30.5	35.5	7.5	9.5	23.1	49.1	62.3	77.3	57.1	72.1
<b>800</b>	59.9	53.9	49.7	53.5	29.3	34.3	7.0	9.0	21.9	47.9	61.5	76.5	56.4	71.4
<b>900</b>	63.8	57.5	48.8	52.5	28.3	33.3	6.5	8.5	20.9	46.9	60.7	75.7	55.9	70.9
<b>1000</b>	67.6	60.8	47.9	51.6	27.4	32.4	6.0	8.0	20.0	46.0	60.0	75.0	55.4	70.4

all values are specified at 20°C

## LANmark-7A Patch Cord

**Liste des articles**

☎ = Sur fabrication, 📦 = Sur stock

Code article Nexans	Désignation de l'article	Durée de vie mécanique à l'insertion	Longueur (m)
📦 N900.67A Nouveauté	CAT7A Measurement Cord GG45 8C LSZH Orange 2m	1000	2
📦 N101.23A00 Nouveauté	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 10m	750	10
📦 N101.23A00 Nouveauté	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 20m	750	20
📦 N101.23AEO Nouveauté	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 2m	750	2
📦 N101.23AFO Nouveauté	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 3m	750	3
📦 N101.23AHO Nouveauté	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 5m	750	5

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