Contact
Noble Inc.
Phone: +9821 - 88 82 86 03
Noble@Noble-Network.com

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

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Standards

International ISO/IEC 11801

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Characteristics

Construction characteristics	
Colour	Orange

Product List

=Make to order, =In stock

Nexans ref.	Name
N900.67A New	CAT7A Measurement Cord GG45 8C LSZH Orange 2m
N101.23AOO New	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 10m
N101.23ARO New	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 20m
N101.23AEO New	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 2m
N101.23AFO New	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 3m
N101.23AHO New	LANmark-7A Patch Cord Cat 7A 1GHz GG45 8C Screened LSZH Orange 5m

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Electrical Performance LANmark-7A

Typical Data given for Worst Case 4-Connector Channel Configurations

	Attenuation		NEXT pp		ACR-F		RL		Coupling Att.		PSANEXT		PSAFEXT	
Frequency	(in dB)		(in dB)		(in dB)		(in dB)		(in dB)		(in dB)		(in dB)	
(in MHz)	Max	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical	Min	Typical
1	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	95.0
4	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
10	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
16	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
20	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
31.25	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
62.5	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
100	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
155	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
200	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
250	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
300	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
500	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
600	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
700	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
800	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
900	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
1000	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