LANmark-6 Snap-In Connector

LANmark-6 Evo Snap-In Connector Category 6 Unscreened Stranded Wire

Nexans Ref.: N420.661

- Category 6 Snap-In connector for CP to TO links
- Unshielded version
- Orange back housing allowing easy distinction from solid version
- Fast and easy termination without punch down tool
- Wiring according to colour code T568B or T568A
- Accepts stranded wire from 26 to 24 AWG
- Reterminable
- Supports POE Plus applications (Type 1 and Type 2)
- An adapter can be added to fit the keystone format

LANmark-6

DESCRIPTION

Application

Nexans LANmark-6 Evo Snap-In connectors are manufactured and tested to the latest Category 6 specifications defined in the International and American cabling standards and are designed to meet and exceed the quality and performance criteria needed to support all applications up to 250 MHz.

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- 155 Mb ATM
- 622 Mb ATM
- 1.2 Gb ATM
- Future Class E applications

Design

Nexans LANmark-6 Evo Snap-In connectors are designed to match with LANmark-6 cable and patch cords and to complement all LANmark modular components, such as:

- Snap-In patch panels (fixed, sliding and angled) and Zone Distribution Boxes
- Snap-In outlet modules (UK, US, European and German style)

Performance

Nexans LANmark-6 Evo Snap-In connectors meet and exceed the requirements for Category 6 connecting hardware as described in ISO/IEC 11801, IEC 60603-7 and EIA/TIA 568-C.2.

Installation

STANDARDS

International IEC 60603-7-4; IEC 60603-7-5; IEEE 802.3af (PoE); IEEE 802.3at (PoE+); ISO/IEC 11801

Maximum operating temperature
60 °C

Minimum operating temperature
-20 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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The wire organiser guarantees fast and easy termination of the LANmark-6 Evo Snap-In connector without the need for a punchdown tool. An optional comfort tool (N420.567) can be used to increase the ease of installation.

Guarantees

The LANmark-6 Evo Snap-In performance is guaranteed to meet or exceed the requirements of the above mentioned standards.

Traceability codes on both connector and packaging ensure quality validation.

Installations with LANmark-6 cable and connectivity are qualified for a 25 year full system warranty, which includes Parts, Installation, Channel Performance and Application Support, as described in the Nexans Certified System Warranty.

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CHARACTERISTICS

Construction characteristics	
Colour	Light grey
Screen	No
Dimensional characteristics	
Height	22.9 mm
Width	16.7 mm
Depth	29 mm
Usage characteristics	
Category	Cat. 6
Range	LANmark-6
Component function	Connector
Field of application	Indoor
Maximum operating temperature	60 °C
Minimum operating temperature	-20 °C

ELECTRICAL PERFORMANCE

Frequency MHz	Attenuation	NEXT pp	PSNEXT	FEXT pp	PSFEXT	RL
1	0,1	94,0	90,0	83,1	80,1	30,0
4	0,1	82,0	78,0	71,1	68,1	30,0
10	0,1	74,0	70,0	63,1	60,1	30,0
16	0,1	69,9	65,9	59,0	56,0	30,0
20	0,1	68,0	64,0	57,1	54,1	30,0
31,25	0,1	64,1	60,1	53,2	50,2	30,0
62,5	0,2	58,1	54,1	47,2	44,2	28,1
100	0,2	54,0	50,0	43,1	40,1	24,0
125	0,2	52,1	48,1	41,2	38,2	22,1
155	0,2	50,2	46,2	39,3	36,3	20,2
175	0,3	49,1	45,1	38,2	35,2	19,1
200	0,3	48,0	44,0	37,1	34,1	18,0
250	0,3	46,0	42,0	35,1	32,1	16,0

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MECHANICAL AND ELECTRICAL CHARACTERISTICS

Contact resistance:	max. 20 m Ohm
Input to output DC resistance:	max. 200 m Ohm
Insulation resistance:	min. 500 M Ohm
Voltage proof:	1000 V DC or AC peak, contact to contact.
Mating cycles:	min. 750
Insertion cycles:	min. 20

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