

Essential-6 keystone connector, unscreened

Nexans ref.: N420.116

- Complies to the latest Category 6 standards
- Unscreened
- Also available in screened (EMC) version
- Easy termination without punchdown tool
- Keystone format.

Description

Application

The Nexans Essential-6 keystone connectors are manufactured and tested to the latest Category 6 specifications. They support Class E applications up to 250 MHz. When installed in conjunction with Essential-6 cable and patch panels, a 20 year Class E Link Certificate can be obtained from the Nexans web site.

Design

The Essential-6 keystone connectors are designed to match with Essential-6 cable and patch cords and all Essential-6 modular components, such as empty keystone patch panels (N521.660 : white and N521.660BK : black) and keystone faceplates, available in both UK and European format (25x50mm : N423.650 and 22.5x45mm : N423.645).

The modular jack is designed for keystone footprints of 14.78mm width, 20-20.78mm height and 1.5mm wall thickness and therefore fits into a variety of keystone formatted structural hardware available on the market. (Please check compatibility with Nexans before using 3rd party hardware)

The Essential-6 connectors can be used with all types of Category 6 cable with solid wire from 22 to 24 AWG.

Performance

The Essential-6 keystone connectors are compliant with the specifications of ISO/IEC 11801: 2002.

Installation

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

- Fast and easy termination without punchdown tool.
- Wiring according to colour code T568B or T568A.
- Accepts 24, 23 and 22 AWG cables.
- Fits Nexans hardware designed for 'keystone' format



essential-6

Standards

International ISO/IEC 11801

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Contact

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Characteristics

Construction characteristics

Screen	No
Connector type	RJ45 and Tool-less IDC

Dimensional characteristics

Width (mm)	16.7 mm
Height (mm)	24.0 mm
Depth	29 mm

Usage characteristics

Number of ports	1
Range	essential-6

Channel Performance

Values given for 2-connector channel, built with Essential-6 cable, outlet and patch panel.

Frequency MHz	Insertion Loss dB/100m	NEXT PP dB	PS NEXT dB	ACR dB/100m	PS ACR dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m	Return Loss dB
1	4.0	65.0	62.0	65.0	62.0	63.3	60.3	19.0
4	4.2	63.0	60.5	58.9	56.4	51.2	48.2	19.0
10	6.6	56.6	54.0	50.0	47.4	43.3	40.3	19.0
16	8.3	53.2	50.6	44.9	42.3	39.2	36.2	18.0
20	9.3	51.6	49.0	42.3	39.7	37.2	34.2	17.5
31.25	11.7	48.4	45.7	36.7	34.0	33.4	30.4	16.5
62.5	16.9	43.4	40.6	26.5	23.7	27.3	24.3	14.0
100	21.7	39.9	37.1	18.2	15.4	23.3	20.3	12.0
155	27.6	36.7	33.8	9.1	6.2	19.5	16.5	10.1
200	31.7	34.8	31.9	3.1	0.1	17.2	14.2	9.0
250	35.9	33.1	30.2	-2.8	-5.8	15.3	12.3	8.0

All values are specified at 20°C.