

Essential-6 Patch panel 1HU 24 Cat6 ports, rear connection, black

Nexans ref.: N424.610

- Complies to the latest Category 6 standard
- Punchdown from the rear side
- Unshielded

Description

Application

The Nexans Essential-6 rear connect panel is based on 19" frame dimensions and has 24 Category 6 RJ45 ports on 1HU. It supports Class E applications up to 250 MHz. When installed in conjunction with Essential-6 cable and outlets, a 20 year Class E Link Certificate can be obtained from the Nexans e-service site.

Design

The Essential-6 rear connect panel is compatible with the complete Essential-6 range and can be used with all types of UTP Category 6 cable with solid wire from 22 to 24 AWG. The panel comes in smooth painted black and is also available in grey-white finish (N424.600). Transparent label holders are positioned over screen-printed numbering 1-24 which can be covered by included paper labels for customised port identification.

Performance

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

Installation

- Fast and easy termination of IDC blocks by LSA+ punchdown tooling.
- Wiring according to colour code T568A or T568B.
- An optional cable management support is available for extra strain relief (N424.512).
- Supplied with fixings and tie-wraps.
- For detailed installation instructions, we refer to the Product Manual enclosed with every panel.



essential-6

Standards

International ISO/IEC 11801

Contact

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Characteristics

Construction characteristics

Connector type RJ45 and LSA+ IDC

Dimensional characteristics

Heightunit 1 U

Depth 28.4 mm

Usage characteristics

Category Cat. 6

Range essential

Component function Patch panel

Number of ports 24

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.