

Essential-6 Patch Cords

- Complies to the latest Category 6 standard
- Light grey PVC
- Unshielded
- Black moulded strain relief boot
- 1, 2, 3 and 5m lengths

Description

Application

The Nexans Essential-6 patch cords are manufactured and tested to the latest Category 6 specifications and support Class E applications up to 250 MHz. They are matched to be compatible with the complete Essential-6 modular and PCB range in order to deliver a full end-to-end Class E system.

Design

The Essential-6 patch cords contain, in accordance with the Essential-6 cable, a central PE cross member, keeping the pairs in place and reducing the risk of losing performance when bending the cords. Standard available lengths are 1, 2, 3 and 5m. Each cord is individually bagged and carries a traceability code.

Performance

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

Installation

Thanks to their small nominal outer diameter, the Essential-6 cords are as easy to install and manage in a rack as their Cat5e equivalent.



essential-6

Standards

International ISO/IEC 11801



Flame retardant
IEC 60332-1

Essential-6 Patch Cords

Contact

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Flame retardant
IEC 60332-1

Essential-6 Patch Cords

Characteristics

Construction characteristics	
Outer sheath	PVC
Dimensional characteristics	
Nominal outer diameter (mm)	6.35 mm
Electrical characteristics	
Characteristic impedance	100 Ohm
Usage characteristics	
Range	essential-6
Flame retardant	IEC 60332-1

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.

Product List

Nexans ref.	Name	Screen	Length (m)	Colour	Category
N101.11ECG New	Essential-6 Patchcord UTP Cat6 PVC grey 1m	Unshielded	1	Light grey	Cat. 6
N101.11EEG New	Essential-6 Patchcord UTP Cat6 PVC grey 2m	Unshielded	2	Light grey	Cat. 6
N101.11EFG New	Essential-6 Patchcord UTP Cat6 PVC grey 3m	Unshielded	3	Light grey	Cat. 6
N101.11EHG New	Essential-6 Patchcord UTP Cat6 PVC grey 5m	Unshielded	5	Light grey	Cat. 6