

## Essential-6 Patch Cords

**Essential-6 Patch Cord FTP Cat 6 PVC Grey 3m****Nexans ref.: N101.12EFGG**

- Comply with latest Category 6 standards
- Screened
- Light grey PVC
- Light grey slimline boot with bend relief
- 3m length

### 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 with the complete Essential-6 range in order to deliver a full end-to-end Class E Channel.

#### Design

The Essential-6 patch cords contain a central PE cross member, keeping the pairs in place and reducing the risk of losing performance when bending the cords. Available in standard lengths of 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 and EN 50173.

#### Installation

Thanks to their small outer diameter, the Essential-6 cords are as easy to install and manage in a rack as their Cat 5e equivalent.

**essential-6**

### Standards

**International ISO/IEC 11801**Flame retardant  
IEC 60332-1

## Essential-6 Patch Cords

Essential-6 Patch Cord FTP Cat 6 PVC Grey 3m  
 Nexans ref.: N101.12EFGG

### Characteristics

<b>Construction characteristics</b>	
Screen	FTP
Outer sheath	PVC
Colour	Light grey
<b>Electrical characteristics</b>	
Characteristic impedance	100 Ohm
<b>Usage characteristics</b>	
Length	3 m
Category	Cat. 6
Flame retardant	IEC 60332-1
Component function	Patchcord
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.