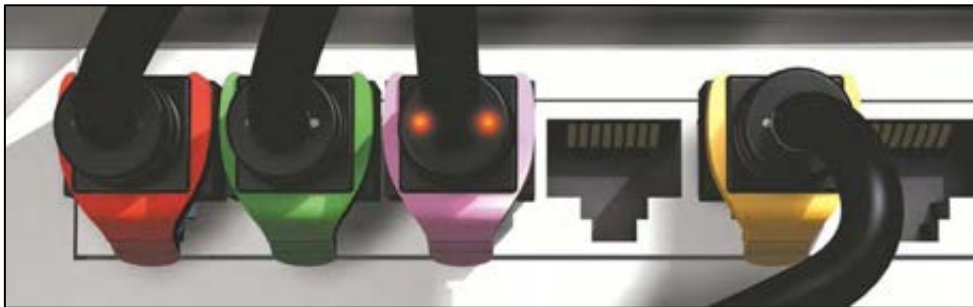


# **Class 6 Patch Cat 6 U/FTP patch cords**

## **Technical Data Sheet**

**Patent Pending**



### **Cat 6 RJ 45 Patch Cords :**

**PatchSee** RJ 45 Patch Cords are designed, and individual tested for connecting the network equipment to patch panel and network user outlet. They are warranted for cat 6 TIA/EIA-568-B-2.1 June 2002 Channel test on a Permanent Link certified for transmission frequencies of up to 250 MHz.

### **PatchSee Concept and main characteristics**

- Light identification by plastic optical fiber,
- Many lengths 2 feet (0.6 m) up to 16 feet (4.9 m) for patch panel and terminal link,
- Color cable: Black with white marking,
- Color boot: Grey with white marking,
- Movable color clip, 16 colors available,
- Packaging: boxes of 6 or 12 pieces, depending of the length,
- Available in cross patch cord,
- Marking on the boot: length and P/N,
- Unique serial number marking on the cable,
- Warranty 25 years for Channel Cat 6 link on Cat 6 Permanent Link certified,
- Individual tested: each Patch Cord is individual tested (Return Loss, Attenuation, NEXT, etc...) and all the reports tests are archiving on computer database.

## Technical Data Sheet

### Construction

<b>Number of pairs</b>	4
<b>Type</b>	U/FTP
<b>Conductor</b>	Stranded bare copper wire
<b>Gage</b>	26 AWG
<b>Insulation</b>	Foam Skin Polyethylene
<b>Individual pair screen</b>	Al-laminated metal pair foil
<b>Pair screen</b>	n a
<b>Optical wave guide</b>	2 POF 0.5 mm
<b>Drain</b>	Stranded drain wire tinned
<b>Jacket</b>	LSOH Black with white printing
<b>Overall diameter</b>	6.2 mm
<b>Plug housing</b>	UL 1863 Polycarbonate 2 levels with management bar
<b>Contacts</b>	Moved contacts
<b>Contact Plating</b>	50 μ inches (1.2 μm)
<b>Shielding</b>	Tin-plated

### Mechanical Properties

<b>Fire Propagation Test</b>	<b>Temperature range During operation</b>	<b>Fire load</b>	<b>Bending radius</b>
UL 1581 VW 1 Flame test	-20°C up to +60°C	372 MJ/km	>25 mm without load

### Electrical Properties (at 20°C +/- 5°C)

<b>DC loop resistance</b>	<b>Insulation resistance (500V)</b>	<b>Capacitance at 800 Hz</b>	<b>Impedance 1-100MHz</b>	<b>Impedance 100-250MHz</b>	<b>Propagation delay</b>	<b>Test voltage (DC, 1 min)</b>
< 340Ω/km	> 2000 MΩ*km	Nom. 43nF/km	100 +/- 15 Ω	100 +/- 22 Ω	< 427 ns/100m	1000 V