

## **NEW! PatchSee - RJ45 Patch Cords with Light Identification**

**™ PatchSee®**  
Optical Technology

BasicPatch Cat 5e	Class6Patch Cat 6	PCI6Patch Cat 6a	PhonePatch
PatchClip	PRO-PatchLight	Test Sample 10 Giga	Test Sample Cat 5e

### **Class6Patch**

Spec sheet .pdf

Category 6 UTP and FTP RJ45 Patch Cords



#### **Category 6 RJ45 patch cords with optical fiber identification**

available unshielded (UTP) and foil shielded (FTP) 100 Ohms  
6 lengths from 0.6 m to 4.9 m

Feet	2	4	5	7	10	16
m	0.6	1.2	1.5	2.1	3.1	4.9

black sheath  
grey boot to distinguish it from black booted  
part number and length printed on the boot  
compatible with color coded PatchClips for the first level of identification

#### **A reliable patch cord for all networks :**

conforms to EIA/TIA 568-B2.2-1 category 6  
25 year guarantee for use in category 6 channels  
interoperable with any cabling system  
quality control :  
~ 100% testing of electrical and optical properties  
~ test results saved onto a database  
~ each patch cord identified by a unique serial number  
plastic cross web unshielded (UTP) and individually foil shielded pairs (FTP)  
PVC sheath for UTP cables and zero halogen (LSOH) sheath for FTP cables

#### **Product part numbers and packaging :**

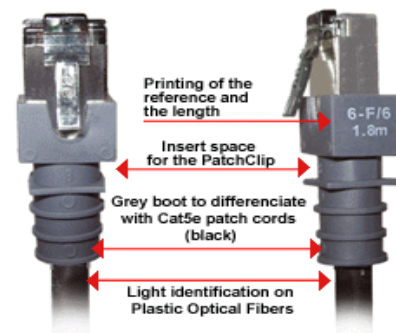
6-U/x for category 6 UTP RJ45 patch cord, where x is the length in feet, 6 standard lengths  
6-F/x for category 6 FTP RJ45 patch cord, where x is the length in feet, 6 standard lengths  
dispatched in PatchBoxes of 6 or 12 patch cords (depending on the length)

#### **The PatchBox is a cardboard box with 6 or 12 patch cords (depending on the length).**

#### **This packaging is designed to facilitate storage and stock control :**

quantity from 1 to 6 or 1 to 12 marked on front (depending on the length)  
removable front  
Part N° / Length / Type label visible on front

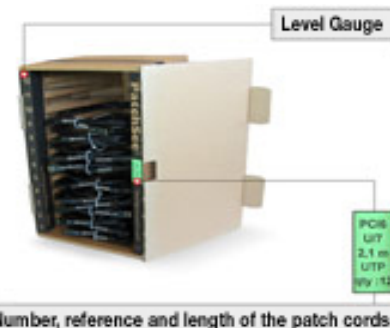
### product focus



11 Lengths available

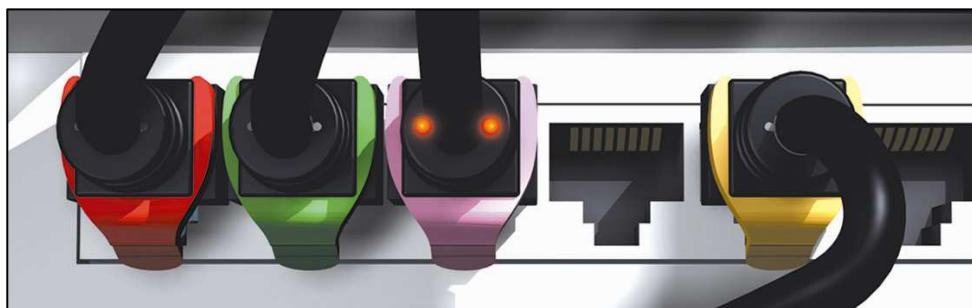


**PatchSee,  
intelligent patch cord**



# **Class 6 Patch Cat 6 UTP 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 and ISO/IEC 11801 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>	UTP with plastic cross web
<b>Conductor</b>	Stranded bare copper wire
<b>AWG</b>	24
<b>Insulation</b>	Foam Skin Polyethylene
<b>Pair screen</b>	n a
<b>Individual pair screen</b>	n a
<b>Optical wave guide</b>	2 POF 0.5 mm
<b>Drain</b>	n a
<b>Jacket</b>	PVC Black with white printing
<b>Overall diameter</b>	6.2 mm
<b>Plug housing</b>	UL 1863 Polycarbonate 2 layers with metal foil insert
<b>Contacts</b>	Moved contacts
<b>Contact Plating</b>	50 μ inches minimum (1.2 μm)
<b>Shielding</b>	n a

### Mechanical Properties of the cable

Fire Propagation Test	Temperature range During operation	Fire load	Bending radius
UL 444 VW 1 Flame test	-20°C up to +75°C	372 MJ/km	>25 mm without load

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

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