

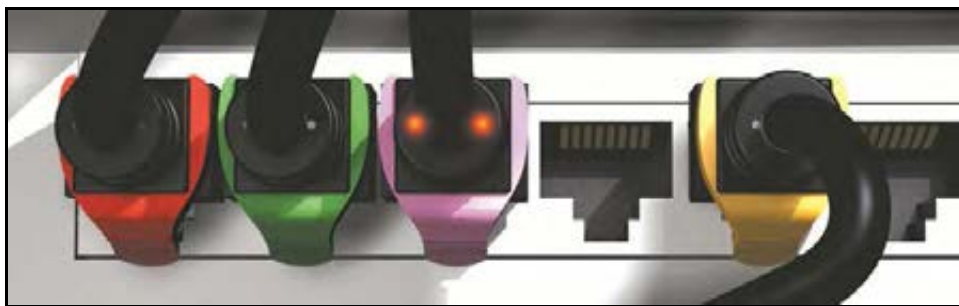
# **DirectPatch**

## **Cat 6A UTP RJ 45**

### **assemblies cables**

#### **Technical Data Sheet**

**Patent Pending**



#### **Direct Patch 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 6A TIA/EIA-568-B-2.10 Channel test for transmission frequencies of up to 500 MHz, and compatible with the 10 giga applications.

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

- Light identification by plastic optical fiber,
- Lengths 20 (6.1 m) feet up to 100 (30 m) in standard lengths, and up to 165 feet (50 meters) on specific demand,
- Color cable: Black with white marking,
- Color boot: Grey with white marking,
- Movable color clip, 16 colors available,
- Packaging: boxes of 1 piece by box,
- 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 6A link,
- 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-UTP with plastic cross web
<b>Conductor</b>	Stranded bare copper wire
<b>AWG</b>	24
<b>Insulation</b>	Foam Skin Polyethylene
<b>Individual pair screen</b>	n a
<b>Pair screen</b>	n a
<b>Optical wave guide</b>	2 POF 0.5 mm up to 32 feet, 0.75 mm for length bigger than 32 feet
<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 levels with management bar
<b>Contacts</b>	Moved contacts
<b>Contact Plating</b>	50 $\mu$ inches gold minimum (1.2 $\mu$ m)
<b>Shielding</b>	n a

### Mechanical Properties of the cable

<b>Fire Propagation Test</b>	<b>Temperature range During operation</b>	<b>Fire load</b>	<b>Bending radius</b>
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)

<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>
< 340 $\Omega$ /km	> 2000 M $\Omega$ *km	Nom. 43nF/km	100 +/- 15 $\Omega$	100 +/- 15 $\Omega$	< 427 ns/100m	1000 V