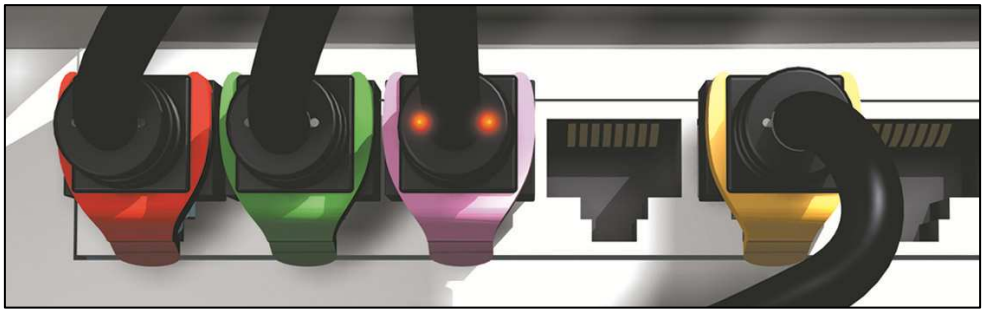
Class6Patch Cat 6 U/UTP patch cords

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

Number of pairs	4
Type	U/UTP with plastic cross web
Conductor	Stranded bare copper wire
AWG	24
Insulation	Foam Skin Polyethylene
Pair screen	n a
Individual pair screen	n a
Optical wave guide	2 POF 0.5 mm
Drain	n a
Jacket	PVC Black with white printing
Overall diameter	6.2 mm
Plug housing	UL 1863 Polycarbonate 2 layers with metal foil insert
Contacts	Moved contacts
Contact Plating	50 µ inches minimum (1.2 µm)
Shielding	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