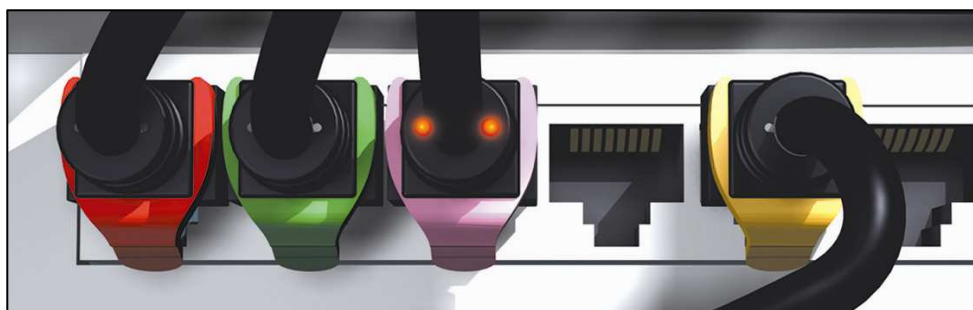


DirectPatch Cat 6 FTP RJ 45 assemblies cables Technical Data Sheet

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 for transmission frequencies of up to 250 MHz.

PatchSee Concept and main characteristics

- Light identification by plastic optical fiber,
- Lengths 20 feet (6.1 m) up to 50 feet (15.2 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 6 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

Number of pairs	4
Type	S-STP
Conductor	Stranded bare copper wire
AWG	26
Insulation	Foam Skin Polyethylene
Individual pair screen	Al-laminated metal pair foil
Pair screen	n a
Optical wave guide	2 POF 0.5 mm up to 32 feet, 0.75 mm for length bigger than 32 feet
Drain	Stranded drain wire tinned
Jacket	LSOH Black with white printing
Overall diameter	6.2 mm
Plug housing	UL 1863 Polycarbonate 2 levels with management bar
Contacts	Moved contacts
Contact Plating	50 μ inches gold minimum (1.2 μm)
Shielding	Tin-plated

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