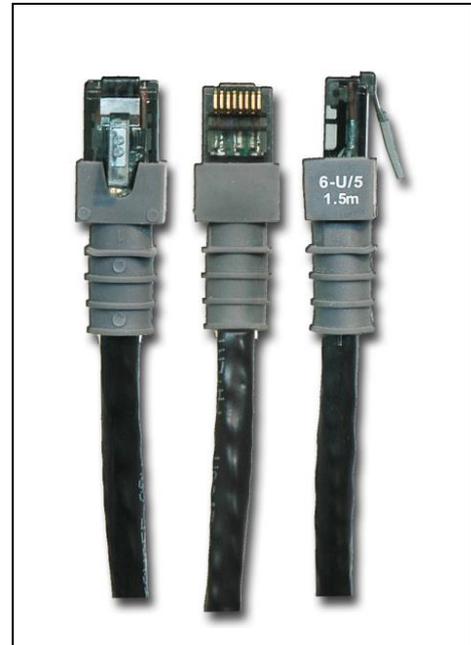


TECHNICAL DATA SHEET Cat6 UTP

PatchSee RJ 45 Patch Cords are designed and individually tested for the connection of the network equipment to patch panel and network user outlets. They are warranted for cat 6 TIA/EIA-568.2-D. Channel test on a Permanent Link certified for transmission frequencies of up to 250 MHz.

PatchSee solution and main characteristics

- Light identification by plastic optical fibers
- 6 different lengths from 2feet (0.6m) up to 16feet (4.9 m)
- Color of sheath: black with white marking
- Color of boot: Grey with white marking
- Compatible with removable clip PATCHCLIP, 16 colors available
- Packaging: boxes of 6 or 12 pieces, depending of the length
- Marking on the boot: length and P/N
- Unique serial number marking on the cable
- Guaranteed 5 years
- Individually tested: each Patch Cord is individual tested (Return Loss, Attenuation, NEXT, etc...)



Number of pairs	4		
Type	U/UTP with Plastic cross web		
Conductor	Stranded bare copper wire		
Gauge	24		
Insulation	Foam Skin Polyethylene		
Individual pair screen	None		
Overall screen	None		
Optical wave guide	2 Plastic Optical Fibers 0.5 mm		
Drain	None		
Jacket	PVC 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 (1.2 μm)		
Shielding	None		
Power Over Ethernet (POE)	Compatible POE and POE+ (IEEE802.3at / Compatible until 30W)		

Mechanical Properties

Fire Propagation Test	Temperature range During operation	Fire load	Bending radius
UL 444 VW 1 Flame test	-20°C up to +60°C	372 MJ/km	>25 mm without load

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

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