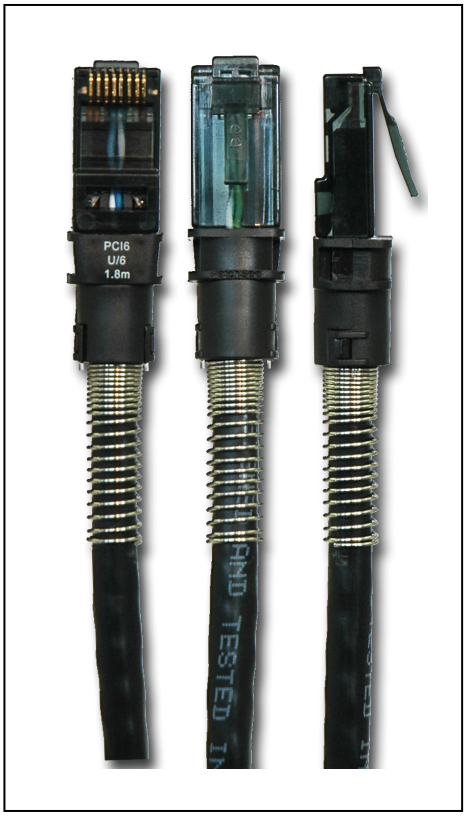
TECHNICAL DATA SHEET
Cat6a UTP (10Gb/s)



PATCHSEE RJ45 Patch Cords are designed, and individually tested for connection of the network equipment to patch panel, and for network user outlet. They are guaranteed for cat 6A TIA/EIA-568-B-2.10 Channel test on a Permanent Link certified for transmission frequencies of up to 500 MHz and compatible with the 10 Gigabits applications. And standard compliance with ISO/IEC 11801 ed 2002-Amd1 & Amd2.

PATCHSEE Solution and main characteristics

- Light identification by plastic optical fiber
- PCI (Patchsee Connector Insert : PatchSee Property)
  - designed to improve NEXT and RL for 10 Gigabits applications,
  - designed for high density panels and active components (same size as the plug in width and height)
- 25 years Guarantee
- certified for 10 Gb/s applications
- Individually tested: each Patch Cord is individual tested (Return Loss, Attenuation, NEXT, etc…)
- 11 available lengths from 2feet (0.6m) up to 16 feet (4.9m)
- Colour of sheath: Black with white marking
- Colour of boot: Black with white marking
- Compatible with removable clip PATCHCLIP, 16 colours available
- Available in crossover
- Marking on the boot: length and P/N
- Unique serial number marking on the cable

Number of pairs	4
Type	U-UTP with plastic cross web
Conductor	Stranded bare copper wire, 4 / 0.2 mm x 4 pairs
Gauge	24 AWG
Insulation	Foam Skin Polyethylene
Individual pair screen	None
Pair Screen	None
Optical wave guide	2 POF 0.5 mm
Drain	None
Jacket	PVC Black with white printing
Overall diameter	6.0 +/- 0.2 mm
Plug housing	UL 1863 Polycarbonate , individual wire guide and management bar
Contacts	Moved contacts
Contact Plating	50 µ inches gold minimum (1.2 µm)
Shielding	None
Power Over Ethernet (POE)	Compatible POE, POE+, et 4PPOE (See the recommendations of TSB-184-A and TIA/EIA-568.2-D)

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)

Conductor resistance	Insulation resistance	Pair to ground unbalance capacitance	Impedance 1-100MHz	Impedance 100-250MHz	Propagation delay (1-250 mHz)	Test voltage in air
< 94Ω/km	> 150 MΩ/km	Nom. 3.3nF/km	100 +/- 15 Ω	100 +/- 15 Ω	< 45 ns/100m	2000 V

Modified : 2017-01-01