

TECHNICAL DATA SHEET

Cat6a FTP (10Gb/s)

PATCHSEE RJ45 Patch Cords are designed, and individual tested for connections between the network equipment and patch panel, and 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)
 - o designed to improve NEXT and RL for 10 Gigabits applications,
 - o 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...)
- Various lengths from 2 feet (0.6 m) up to 16 feet (4.9 m)
- Color of sheath: Black with white marking
- Color of boot: Black with white marking
- Removable color clip, 16 colors 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-FTP (STP)
Conductor	Stranded bare copper wire, 7/0.16 +/- 0.005 mm
Gauge	26 AWG
Insulation	Foam Skin Polyethylene
Individual pair screen	Al-laminated metal pair foil
Overall Screen	None
Optical wave guide	2 POF 0.5 mm
Drain	Stranded drain wire tinned copper, 26 AWG
Jacket	LSOH Black with white printing (LSOH : IEEC 60332-3 Cat C, Low Smoke : IEEC 61189-2C12, Halogen Free : IPC4101-A)
Overall diameter	5.9 +/- 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	Tin-plated
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 1581 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	Mutual Capacitance	Impedance 1-100MHz	Impedance 100-250MHz	Propagation delay	Test voltage
< 140Ω/km	> 150 MΩ/km	56nF/km	100 +/- 15 Ω	100 +/- 15 Ω	< 45 ns/100m	2 500 V -3 seconds