

## TECHNICAL DATA SHEET

### DIRECTPATCH - Cat6a FTP (10Gb/s) - Up to 50m

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)
- 5 years Guarantee
- certified for 10 Gb/s applications
- Individually tested: each Patch Cord is individual tested (Return Loss, Attenuation, NEXT, etc...)
- Various lengths from 20 feet (6.1 m) up to 100 feet (30 m)
- Color of sheath: Black with white marking
- Color of boot: Black with white marking
- Compatible with color clip PATCHCLIP (16 colors available)
- Available in crossover
- Marking on the boot: length and P/N
- Unique serial number marking on the cable
- Supplied with 2 connector protections PLUGCAP



<b>Number of pairs</b>	4
<b>Type</b>	U-FTP
<b>Conductor</b>	Stranded bare copper wire
<b>Gauge</b>	26 AWG
<b>Insulation</b>	Foam Skin Polyethylene
<b>Individual pair screen</b>	Al-laminated metal pair foil
<b>Overall Screen</b>	None
<b>Optical wave guide</b>	2 POF 0.5 mm up to 32 feet, 0.75 mm for length above 32 feet
<b>Drain</b>	Stranded drain wire tinned
<b>Jacket</b>	LSOH Black with white printing (LSOH : IEEC 60332-3 Cat C, Low Smoke : IEEC 61189-2C12, Halogen Free : IPC4101-A)
<b>Overall diameter</b>	6.2
<b>Plug housing</b>	UL 1863 Polycarbonate 2 levels with management bar
<b>Contacts</b>	Moved contacts
<b>Contact Plating</b>	50 μ inches gold minimum (1.2 μm)
<b>Shielding</b>	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