

TECHNICAL DATA SHEET

DIRECTPATCH – Cat 6A FTP (10Gb/s) - Up to 30m

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-568.2-D. 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 11801-2: 2017 and Amd 1.

PATCHSEE Solution and main characteristics

- Light identification by plastic optical fibers
- PCI (Patchsee Connector Insert: 3P Design 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...)
- Available in 8 lengths : from 20 ft (6.1m) to 100 ft (30 m)
- Color of sheath: Black with white marking
- Color of boot: Black with white marking
- Compatible with color clip PATCHCLIP (16 colors available)
- Marking on the boot: length and P/N
- Unique serial number marking on the cable
- Supplied with 2 connector protections PLUGCAP



Number of pairs	4
Type	U-FTP
Conductor	Stranded bare copper wire
Gauge	26 AWG
Insulation	Foam Skin Polyethylene
Individual pair screen	Al-laminated metal pair foil
Overall Screen	None
Optical wave guide	2 Plastic Optical Fibers 0.5 mm up to 32 feet, 0.75 mm for length above 32 feet
Drain	Stranded drain wire tinned
Jacket	LSOH Black with white printing (LSOH : IEEC 60332-3 Cat C, Low Smoke : IEEC 61189-2C12, Halogen Free : IPC4101-A)
Overall diameter	6.2 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+ and 4PPoE (IEEE802.3bt type 4 / Compatible until 100W)

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 +60°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 (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