

TECHNICAL DATA SHEET

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

PATCHSEE RJ45 Patch Cords are designed, and individual tested for connections between the network equipment and patch panel, and for 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 66 ft (20 m), 82 ft (25 m) & 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-UTP with plastic cross web
Conductor	Stranded bare copper wire
Gauge	24 AWG
Insulation	Foam Skin Polyethylene
Individual pair screen	None
Overall Screen	None
Optical wave guide	2 Plastic Optical Fibers 0.75 mm
Drain	None
Jacket	PVC Black with white printing
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	None
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