TECHNICAL DATA SHEET
PATCHSEE – UTP Cat. 6A (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-568.2-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)
  - 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)
- 5 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 2 feet (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
- 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 Plastic Optical Fibers 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+ 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)

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

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