TECHNICAL DATA SHEET
Cat5E FTP

PATCHSEE RJ 45 Patch Cords are designed, and individual tested for connecting the network equipment to patch panel and network user outlet. They are warranted for cat 5e TIA/EIA-568.2-D. Channel test on a Permanent Link certified for transmission frequencies of up to 100 MHz.

PATCHSEE Concept and main characteristics

- Light identification through plastic optical fibers,
- 6 available lengths from 0.6 m up to 4.9 m
- Color of cable: black with white marking
- Color of boot: black with white marking
- Connector compatible with color clips PATCHCLIP
- Packaging: bags of 12 pieces
- Marking on the boot: length and P/N
- Unique serial numbers marking on the cable
- Individually tested: each Patch Cord is individual tested (Return Loss, Attenuation, NEXT, etc…)

Number of pairs	4
Conductor	Stranded bare copper wire
Gauge	26 AWG
Insulation	Foam Skin Polyethylene
Pair screen	Al-laminated metal foil
Optical wave guide	2 Plastic Optical Fibers 0.5 mm
Drain	Stranded drain wire tinned
Jacket	PVC - Black with white printing
Overall diameter	5.8 mm
Plug housing	UL 1863 Polycarbonate
Contacts	Moved contacts
Contact Plating	Gold 50 µ inches gold minimum (1.2 µm)
Shielding	Tin Plated
Power Over Ethernet (POE)	Compatible POE and POE+ (IEEE802.3at / Compatible until 30W)

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	NA	< 427 ns/100m	1000 V