

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-B-2.1 June 2002 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 fiber,
- 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 colour clips PATCHCLIP
- Packaging: bags of 12 pieces
- Marking on the boot: length and P/N
- Unique serial numbers marking on the cable
- Electrical performance tests performed on a sample basis (1000 Base T Warranty, 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 POF 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, POE+, et 4PPOE (See the recommendations of TSB-184-A and TIA/EIA-568.2-D) |

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 | NA | < 427 ns/100m | 1000 V |