

Cat 6A S/FTP Shielded LSZH/PVC Patch Cords



FEATURES

- Electrically compliant beyond 500MHz
- LSZH/PVC cable
- Low profile moulded strain relief boot for use with blade servers
- PimF style cable (Individual foil screened pairs with overall steel braiding mesh screen)
- Screened category 6A RJ45 plug
- Integral anti-snag latch as standard
- 8 standard colours
- 7 standard lengths (1, 2, 3, 5, 10, 15 & 20) M
- Other lengths and colours available*

DIAGRAM & DESCRIPTION

OPTiLite Category 6A S/FTP Shielded patch cord range exceeds the transmission line performance requirements of IEC and TIA for CLASS EA/Category 6A systems. The patch cords are designed for mechanical and electrical reliability, using quality materials and processes, to provide a patch cord solution which delivers a consistent high level of systems performance whilst incorporating design features that allow a “one style fits all” cord application. The low profile moulded boot and snag free latching allows the cords to be deployed within even the most densely populated network installations deploying the latest blade server technology.

Each Category 6A patch cords are manufactured and tested in accordance with IEC 61935-2 and comply with the requirements of ISO/IEC 11801 (2nd Edition): 2010 and support all applications designed for CLASS EA/Category 6A Applications such as ATM 1200, 1000BASE-T (Gigabit Ethernet) 1G FCBASE-T and 10G BASE-T (10G Ethernet).

PHYSICAL CONSTRUCTION

Conductor	Insulation	Jacket
Type - Stranded bare copper	Type - HDPE	Type - PVC/LSZH
Diameter - $7 \times 0.145 \pm 0.005\text{mm}$	Diameter - $0.95 \pm 0.05\text{mm}$	Color - Optional
AWG - 26		Thickness - $0.55 \pm 0.05\text{mm}$
		Diameter - $6.1 \pm 0.5\text{mm}$

ELECTRICAL CHARACTERISTIC

Voltage: 150V	Current: 1.5A
Dielectric Withstanding voltage: 1000V RMS	
Operating temperature: -20°C to 60°C	

Applications

- 10 Gigabit Ethernet
- 1.2 Gbit ATM
- Other CAT6A application...

PLUG

- **Material:** PC
- **Contact Material:** Phosphor Bronze
- **Contact Planting:** Gold
- **Contact Resistance:** $\leq 20\text{m}\Omega$
- **Operating Life:** $\geq 750\text{s}$

STANDARD

- Category 6A
- ISO/IEC 11801
- EN 50173
- TIA/EIA 568-C.2

System Warranty:

The OPTiLite Cabling System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited OPTiLite Partner who has designed, supplied and installed the said system.

