

## CAT6 Unscreened PVC/LSZH Patch Cords



### DIAGRAM & DESCRIPTION

OPTiLite Category 6 UTP patch leads are manufactured and tested to ISO & EN requirements for patch cord assemblies. Using these OPTiLite patch cords will ensure the installed cabling system is compliant with the TIA/EIA, ISO & EN channel specification requirements, and will provide optimum performance levels of your OPTiLite Category 6 cabling.

A choice of lengths and colours are available, colour coded slimline molded boots suitable for use in high density routers or switch blades are standard and each cable is supplied individually bagged. Each cable has a low smoke zero halogen outer sheath as standard and ideal for use in office and data centre environments.

### Physical

#### Conductor

Material: bare copper  
 Diameter: 7 X 0.18 ± 0.005 MM  
 AWG: 25

#### Insulation

Material: HDPE  
 Diameter: 0.98 ± 0.06 MM

#### Out Jacket

Material: PVC/LSZH  
 Color: optional  
 Thickness: 0.8MM  
 Diameter: 6.1 ± 1.0 MM

### Environmental:

Operating temperature: -20°C to 65 °C

### Electrical

Voltage: 150v  
 Current: 1.5A  
 Dielectric withstanding voltage: 1000V RMS

### Plug

Material: PC, Contact Material: Phosphor Bronze  
 Contact Plating: Gold  
 Contact Resistance: ≤ 20mΩ, Operating Life: ≥ 750s

### Standard

ISO/IEC 11801  
 IEC 61156 - 5  
 EN 50173  
 EN 50288  
 TIA/EIA 568-C.2



### Application

- 100 Base - T4
- 100 Base -TX
- 100VG - Any LAN
- 1000 Base - T
- 100 Base - TX
- 155Mbps ATM
- 622Mbps ATM[3]

### 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.

