

# Category 8.1 Patch Cord 25G/40G

## Cat. 8.1 Shielded Molded Patch Cord

Infinique’s Category 8.1 Shielded Patch Cords are designed to guarantee high bandwidth of 25G/40G and frequencies of up to 2000 MHz. These high end patch cords are used to connect network equipment to patch panel and telecommunication outlets in data centers. Molded Slim-Line Snag-Proof Boot prevents cable pair disturbance that can degrade performance. Slim-Line Boots enable the patch cords to be installed in high density equipment, and prevents snags when pulling cable.

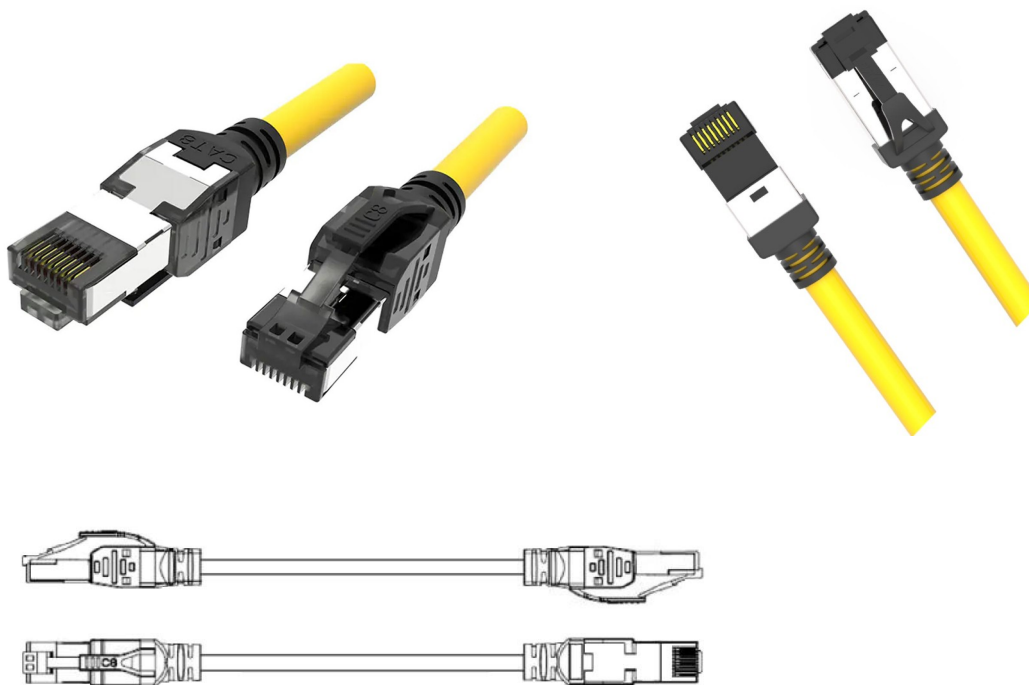
These patch cords supports PoE (IEEE 802.3af), PoE+ (IEEE 802.3at), PoE++ (IEEE 802.3bt) applications.

Collectively with other Cat.8.1 Infinique’s Structured Cabling Products, they are an excellent choice for your high bandwidth voice and data communication needs.

### Features and Benefits

- Standard**  
 Complies with ANSI/TIA-568.2-D, IEC 60603-7-81 standard for Category 8.1
- Reliable Performance**  
 Guaranteed to meet or exceed performance of the channel specifications of Category 8.1, (2000MHz) according to the ISO/IEC 11801 Standard
- Superior Design**  
 Molded Slim-Line Snag-Less Integrated Boot Cable strain relief, modular plug contacts 50µ" Gold Plated,UL94V-2
- Performance Warranty**  
 Qualifies for the Infinique’s 25 Years System Performance Link Warranty

### PATCH CORD CONSTRUCTION



# Category 8.1 Patch Cord 25G/40G

## Cat. 8.1 Shielded 24 AWG Molded Patch Cord

### ELECTRICAL SPECIFICATIONS

Current Rating	2.0A maximum
Insulation	500mΩ minimum
Contact Resistance	20mΩ maximum
DC Electric Strength	1KV / 1 min
Characteristic Impedance (1—250 MHz)	100 Ω

### MATERIAL SPECIFICATIONS

Plug	Transparent UL 94V-2 Polycarbonate Housing
Molded Boot	UL 94V-2
Contacts	Phosphor bronze with 50µ" gold over 100µ" nickel
Conductor	Stranded Copper 26 / 24 AWG
Mating Cycles	750 mating cycles
Insulation	HDPE
Cabling	Four Unshielded Twisted Pairs with spacer
Pairing	1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
Tensile Strength	> 50N
Bending Radius	Min. 8x of Cable Diameter
Fire Safety Standard	UL 94V-2
Outer Jacket	LSOH, Yellow RAL 1026
Cable Overall Diameter	6.0 mm
Operating Temperature	-20°C to 60°C
Storage Temperature	-20°C to 75°C
Installation Temperature	0°C to 60°C

### STANDARDS/COMPLIANCE

Meets TIA/EIA 568.2-D Category 8.1 with the applicable electrical transmission characteristics  
 Meets TIA/EIA TSB-40 requirements  
 Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0  
 Meets CENELEC Generic Cabling Standard EN50173 – 1:2002  
 RoHS Compliant

### TYPICAL APPLICATIONS

25GBASE-T / 40GBASE-T 2000 Mhz Data Centre Application  
 10GBASE-T 10 Gigabit Ethernet, 1000BASE-T, 1000BASE-TX Gigabit Ethernet  
 100BASE-TX Fast Ethernet / 10BASE-TX Ethernet  
 PoE IEEE 802.3af Type 1 to 802.3bt Type 4  
 Token Ring, 155 Mbps ATM  
 Composite Video, 622 Mbps ATM

### ORDERING INFORMATION

Part Number	Description
INPC81SHA1YWL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 24AWG LSOH, 1M, Yellow
INPC81SHA2YWL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 24AWG LSOH, 2M, Yellow
INPC81SHA3YWL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 24AWG LSOH, 3M, Yellow
INPC81SHC1GYL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 26AWG LSOH, 1M, Yellow
INPC81SHC2GYL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 26AWG LSOH, 2M, Yellow
INPC81SHC3GYL	Infinique Category 8.1 Shielded Patch Cord, 25G/40G 26AWG LSOH, 3M, Yellow

Delivery: One Patch Cord per bag.  
 Also available in red, green, blue, yellow and black color and other lengths for custom orders.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at [www.infinique.com](http://www.infinique.com) or email us at [sales@infinique.com](mailto:sales@infinique.com).