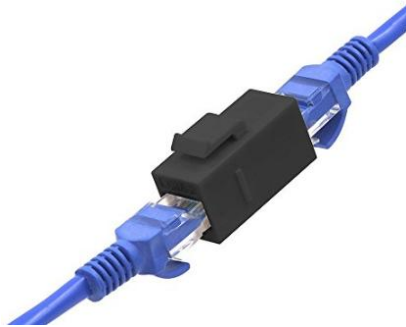


Inline Coupler

CAT 6 – Unshielded



The Genius Cat 6 Inline Coupler is designed to connect two RJ45 patch cords for reliable Ethernet signal extension and stable high-speed data transmission. Equipped with gold-plated contacts, it ensures enhanced signal performance and secure connectivity. Its compact snap-fit design allows easy installation and compatibility with standard patch panels, face plates, and surface mount boxes. Available in multiple color options for organized network identification. It delivers secure, high-speed network communication for structured cabling and LAN applications.

Key Features

- Connects two RJ45 patch cords for seamless Ethernet cable extension
- Gold-plated contacts ensure reliable signal transmission and conductivity
- Supports high-speed Cat 6 network performance with stable connectivity
- Compatible with patch panels, face plates, and surface mount boxes
- Available in multiple color options for easy network identification
- Compact snap-fit design enables quick and secure installation
- RoHS Compliant
- Genius Network Brand performance warranty for 25 Years

Product Specification

Coupler Housing	PC UL94V-0 Thermoplastic
Spring Wire	Phosphor Bronze, Gold over Nickel
Contact Holder	UL94V-0 ABS Thermoplastic
Insertion Life	750 Mating cycles
Contact Force	100 Grams
Plug Retention Force (Minimum)	11 lbf

Electrical Parameter

Operating Frequency	250 MHz
Insulation Resistance	500 M Ω
Dielectric Withstanding Voltage	1000 V
DC Current Rating	1.5 Amps
DC Resistance	0.1 Ω
Contact Resistance	20m Ω

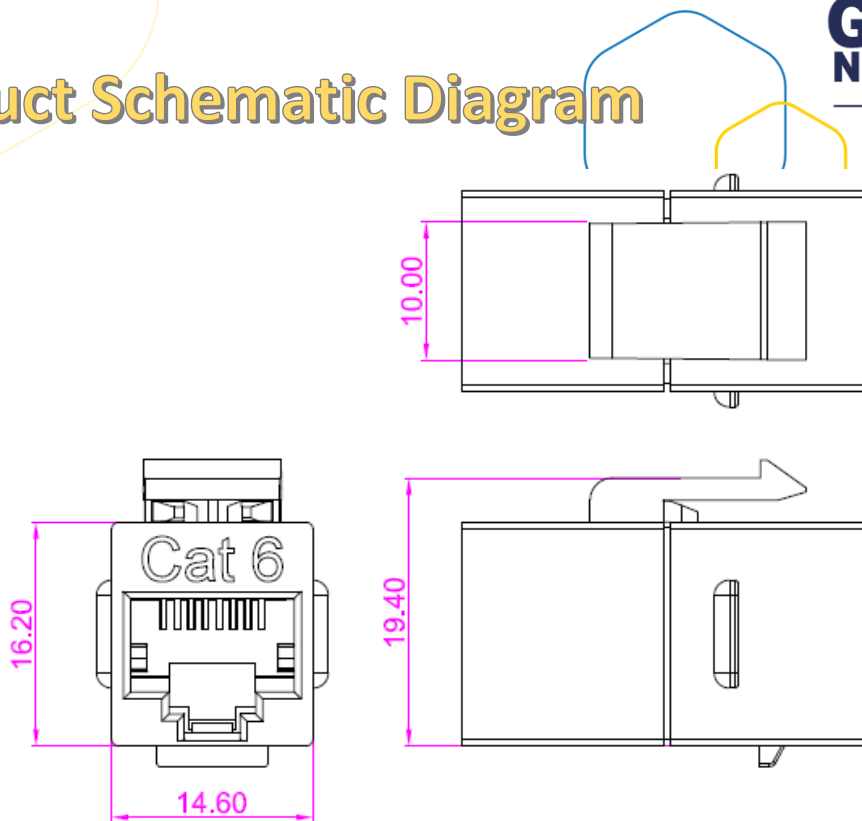
Environmental Specification

Operating Temperature Range	-10°C to 60°C
Storage Temperature Range	-40°C to 68°C
Humidity	10%~90%RH

Standards, Certifications & Compliances

- RoHS Compliant
- Compliance with UL94V-0
- Compliance with ANSI/TIA-568-C.2, ANSI/TIA-568.2-D, ANSI/TIA-568.2-E, ISO/IEC 11801 & CENELEC EN50173

Product Schematic Diagram



Ordering Information

Part Number	Product Description
GC6ICUTPBK	Genius Cat 6 Unshielded Inline Coupler Black
GC6ICUTPWH	Genius Cat 6 Unshielded Inline Coupler White
GC6ICUTPRD	Genius Cat 6 Unshielded Inline Coupler Red
GC6ICUTPBL	Genius Cat 6 Unshielded Inline Coupler Blue
GC6ICUTPYL	Genius Cat 6 Unshielded Inline Coupler Yellow
GC6ICUTPGR	Genius Cat 6 Unshielded Inline Coupler Green

