

Field Termination Plug

CAT 6 Unshielded



Genius Cat 6 UTP rotational field termination plugs are cost-effective building blocks for your cabling system. Phosphor bronze contacts ensure excellent conductivity, durability, and outstanding resistance against wear or corrosion. With innovative Plug design, keeps pairs together to streamline the installation process. High quality connectors ensure system reliability and stability by press-fit assembly process.

The product is designed as per the latest ANSI/TIA & ISO/IEC standards and performance is aligned with the modular plug terminated link standard.

Key Features

- 90° Rotatable Plug for ease of termination and plugging into IP Device
- Cat 6 Performance to supports high-speed protocols: 1GBASE-T up to 100 Meters
- Supports 23-26 AWG solid and stranded wires and up to \varnothing 7.2 mm O.D.
- Complies to Latest ANSI/TIA & ISO/IEC Standards
- Fully backward compatible with Category 5e
- IP40 Rated Field Terminable Plug
- UL Listed & RoHS v3 Compliant
- Genius Network Brand Performance Warranty for 25years

Product Specification

Type of FTP	Unshielded - 90 Degree Rotatable
Supporting Wire Gauge	23 AWG to 26 AWG (max. 1.27 mm Insulation OD)
Max Supporting Cable Dia	4.5 mm to 7.2 mm
Supporting Category	Cat 6 / Cat 5e
Housing Material	PC, UL 94V-0, Color - Black
contact material	Phosphor bronze with 100 µin nickel plated
Plug Contact Finish	50 µin gold plated
IDC Housing	PC, UL 94V-0, Color - White
IDC Terminal	Copper with tin plated
PCB	FR4, UL 94V-0
Dimension (W * D *H)	14.45 mm X 42.79 mm X 16.52 mm (+/- 0.2 mm)
Wiring Compatibility	T568A and T568B
RJ 45 Jack durability	≥750 cycles
IDC Durability	20 Termination
IP rating	IP40
Insertion Force	20 N max
Retention Force	7.7 kg Max (between jack and plug)

Environmental Specification

Operating Temperature	-10°C to 60°C
Storage Temperature	-40°C To 68°C
Installation temperature	-10°C To 60°C
Operating Humidity	10% to 90% RH

Electrical Parameter

DC Current rating	1.5 Amps
Insulation Resistance	500 MΩ Minimum
DC Resistance	Max. 0.1Ω

Standards, Certifications & Compliances

- UL Listed
- Part of ETL 4 Connector Channel test
- Compliance with UL 94
- RoHS v3 Compliant
- PoE Type PoE++ (IEEE 802.3bt)
- Compliance with ANSI/TIA-568-C.2, ANSI/TIA-568.2-D, ANSI/TIA-568.2-E, ISO/IEC 11801 & CENELEC EN50173
- Compliance with IEC 60603-7, TIA-1096 ch 4 & 5, IEC 60603-7-4, IEC 60603-7-5 & IEC 60603-7-81

Ordering Information

Part Number	Product Description
GC6FTUTNA	Genius Cat 6 Field Termination Rotation Plug UTP

