Giga (Cat 5e) UTP Molded Patch Cord, Connecting Hardware

Copper | Patch Cords | Cat 5e

RiT Giga UTP Patch Cords are designed for high-speed protocols such as ATM 622 Mbps and Gigabit Ethernet 1000 Mbps. The Giga UTP Patch Cord comprises a flexible patch cable with an RJ-45 modular plug terminating each cable end.

KEY APPLICATIONS

- Gigabit Ethernet 1000Base-T
- Fast Ethernet 100Base-T
- HDBaseT
- Voice, T1, ISDN
- Power over Ethernet (PoE)

KEY FEATURES

- Rated for Category 5e Gigabit applications up to 100 meters channel
- Snag-Less latch design
- Molded cable strain relief with improved pull strength
- 100% tested
- Available in LSZH and PVC outer jacket
- Patch Cable available in 7 different colors:

STANDARDS COMPLIANCE

- ANSI/TIA-568.2-E :2024
- ISO/IEC 11801-2011(ED. 2.2)
- EN 50173-2:2007 with amendment A1:2010
- IEC61935-2:2010(Ed.3.0)
- RoHS Compliant

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TECHNICAL SPECIFICATION

Giga (Cat5e) RJ45 Modular UTP Plugs	
Plug Dimensions	Compliant to IEC 60603-7
Housing Parts Material	Transparent PC Resin, UL-94V0
Boot	Molded PVC
Contacts Material	Copper Alloy
Contacts Plating	50 µin selective gold plate in contact area over 100 µin Nickel plating
Plug Durability	≥ 750 mating cycles (plug in/out)
Max. Contact Resistance	20 mΩ
Insulation Resistance	≥ 500 MΩ

Patch Cable	
Basic Wires	Conductor: bare copper, eight strands, 7 x 0.20 mm (24 AWG) Insulation: solid polyolefin, 0.97±0.05 mm diameter
Patch Cable Construction	Four pairs cabled together and overall jacketed
Cable Outer Diameter	Ø 5.5 mm Nom.
External Jacket Material	LSZH or PVC
Dielectric Strength	1000 V RMS @ 60 Hz for 1 minute
Characteristic Impedance	100±6 Ohm @ 1-250MHz

General	
Wiring Scheme	T568B
Operating Temperature	-20°C to 75°C
Ampacity	≤ 1.0 Amps
Cable-Plug Pull Strength	≤ 90 Newtons (Intermediate)
Plug Pulling Strength	≤ 70 Newtons
Flammability Test	IEC 60332-1
Halogen Amount	IEC 60754-2 (LSZH Only)
Smoke Density	IEC 61034-2 (LSZH Only)

ORDERING INFORMATION

P/N	DESCRIPTION
R3150XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Gray
R3151XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Purple
R3152XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Yellow
R3153XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Black
R3154XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Red
R3155XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Green
R3156XXX	Giga (Cat 5e) UTP Patch Cord, LSZH, Molded, Blue

P/N	DESCRIPTION
R3140XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Gray
R3141XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Purple
R3142XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Yellow
R3143XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Black
R3144XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Red
R3145XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Green
R3146XXX	Giga (Cat 5e) UTP Patch Cord, PVC, Molded, Blue

Note:
The last 3 digits represent patch cord length in XX.X Meters
Example for LSZH Gray Patch Cords: R3150005 - 0.5 Meter, R3150020 – 2.0 Meter, R3150100 – 10.0 Meter

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