



RiT CLASSix (Cat 6) UTP Patch Cords feature patented Precision Placement Technology (PPT)

A metal wire organizer with reduced untwist at plug ensures superior and consistent electrical performances.

Designed for superior electrical and mechanical performance for Gigabit networks applications in Customer Premises, Data Centers and Central Offices.

## KEY APPLICATIONS

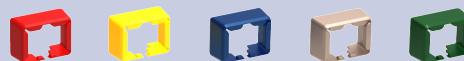
- Gigabit Ethernet 1000Base-T
- Fast Ethernet 100Base-T
- HDBaseT
- Voice, T1, ISDN
- Power over Ethernet (PoE)

## STANDARDS COMPLIANCE

- ANSI/TIA-568.2-D :2018
- ISO/IEC 11801-1 Class E
- IEEE 802.3ab
- IEEE 802.3bt (4PPoE)
- IEC 60603-7-4 (2010)
- IEC 60332, IEC 61034, IEC 60754
- CENELEC EN 50173-5-1
- RoHS Compliant

## KEY FEATURES

- Less crosstalk and consistency in performance using patented Precision Placement Technology (PPT)
- Providing link and channel compliance when installed with RiT CLASSix (Cat 6) components
- Rated for Category 6 Gigabit applications up to 100 meters channel or 10-Gigabit up to 55 meters channel
- Snag-Less latch design
- Enhanced cable strain relief with improved pull strength
- 100% tested with
- Available in PVC as well as LSZH outer jacket
- Optional snap-on boot color coding clips:



- Patch Cable available in 7 different colors:
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- Supports PoE Type 4 applications (IEEE 802.3bt)
- UL Listed: UL 1863
- ETL (Intertek) Verified
- Interoperable and backward compatible (Cat 5e)
- RoHS Compliant



## TECHNICAL SPECIFICATION

CLASSix (Cat6) RJ45 Modular UTP Plugs	
Plug Dimensions	Compliant to IEC 60603-7
Housing Parts Material	Transparent PC Resin, UL-94V0
Contacts Material	Phosphore bronze
Contacts Plating	50 $\mu$ in selective gold plate in contact area over 100 $\mu$ in Nickel plating
Plug Durability	$\geq$ 750 mating cycles (plug in/out)
Current/Voltage Rating	30 VAC / 56 VDC at 1.5 Amps
Max. Contact Resistance	20 m $\Omega$
Insulation Resistance	$\geq$ 500 M $\Omega$

General	
Wiring Scheme	T568B
Operating Temperature	-20°C to 60°C
Bending Radius	$\geq$ 30mm (without load)
Cable-Plug Pull Strength	70 Newtons (Intermediate)

Patch Cable	
Patch Cable Construction	24 AWG 4 unshielded twisted pairs (U/UTP) cabled together with central PE Cross bar and overall jacketed
Conductor Construction	24 AWG stranded bare copper wires 7x Ø 0.2mm
Cable Outer Diameter	Ø 6.0 $\pm$ 0.2 mm
External Jacket Material	PVC or LSZH
Flammability Tests	IEC 60332, IEC 61034, IEC 60754
Current Rating	1.5 Amp @ 25°C
Insulation Resistance	$\geq$ 500 M $\Omega$ @ 500 VDC
Dielectric Strength	1,000 V RMS @ 60 Hz for 1 minute
Impedance	100 $\Omega$ @ 1-250 MHz

## ORDERING INFORMATION

P/N	DESCRIPTION
R4513XXX	CLASSix UTP Patch Cord, PVC, Gray (*)
R3229XXX	CLASSix UTP Patch Cord, PVC, Gray (**)
R4528XXX	CLASSix UTP Patch Cord, PVC, Purple
R4609XXX	CLASSix UTP Patch Cord, PVC, Yellow
R4610XXX	CLASSix UTP Patch Cord, PVC, Black
R4523XXX	CLASSix UTP Patch Cord, PVC, Red
R4526XXX	CLASSix UTP Patch Cord, PVC, Green
R4522XXX	CLASSix UTP Patch Cord, PVC, Blue

P/N	DESCRIPTION
R4730XXX	CLASSix UTP Patch Cord, LSZH, Gray
R4731XXX	CLASSix UTP Patch Cord, LSZH, Purple
R4732XXX	CLASSix UTP Patch Cord, LSZH, Yellow
R4733XXX	CLASSix UTP Patch Cord, LSZH, Black
R4734XXX	CLASSix UTP Patch Cord, LSZH, Red
R4735XXX	CLASSix UTP Patch Cord, LSZH, Green
R4736XXX	CLASSix UTP Patch Cord, LSZH, Blue

## Notes:

The last 3 digits represent patch cord length in XX.X Meters

For example: R4730005 - 0.5 Meter Patch Cord, LSZH, Gray; R4730010 - 1.0 Meter Patch Cord, LSZH, Gray;  
R4730100 - 10.0 Meter Patch Cord, LSZH, Gray

(\*) For Gray PVC patch cords  $\geq$  10 meters the last 3 digits represent patch cord length in XX.X meters

For example: R4513105 - 10.5 Meter Patch Cord, PVC, Gray; R4513200 - 20.0 Meter Patch Cord, PVC, Gray

(\*\*) For Gray PVC patch cords < 10 meters the last 3 digits represent patch cord length in X.XX meters

For example: R3229050 - 0.5 Meter Patch Cord, PVC, Gray; R3229100 - 1.0 Meter Patch Cord, PVC, Gray;  
R3229950 - 9.5 Meter Patch Cord, PVC, Gray