



RiT SMARTen (Cat 6A) UTP Patch Cords feature patented Precision Placement Technology (PPT) A metal wire organizer with reduced untwist at plug ensures superior and consistency electrical performances.

Designed for superior electrical and mechanical performance for 10-Gigabit networks applications in Customer Premises, Data Centers and Central Offices.

### KEY APPLICATIONS

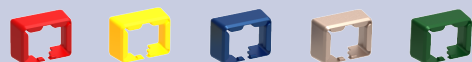
10-Gigabit Ethernet 10GBase-T  
Gigabit Ethernet 1000Base-T  
Voice, T1, ISDN  
Power over Ethernet (PoE)

### STANDARDS COMPLIANCE

ANSI/TIA-568.2-E :2024  
ISO/IEC 11801-1 Class EA  
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  
UL94 V0

### KEY FEATURES

- Less crosstalk and consistency in performance using patented Precision Placement Technology (PPT)
- Providing link and channel compliance when installed with RiT SMARTen (Cat 6A) components
- Rated for Category 6A 10-Gigabit applications up to 100 meter channel
- Snag-Less latch design
- Enhanced cable strain relief with improved pull strength
- 100% tested with FLUKE DSX Cable Analyzer
- Flexible and durable LSZH Outer Jacket
- Optional Snap-On Boot Color coding Clips:



- Patch Cable available in 5 different colors:  

- Supports PoE Type 4 applications (IEEE 802.3bt)
- UL Listed
- ETL (Intertek) Verified
- Interoperable & backward compatible (Cat 6/5e)
- 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 µin selective gold plate in contact area over 100 µin Nickel plating
Plug Durability	≥ 750 mating cycles (plug in/out)
Current/Voltage Rating	30 VAC / 56 VDC at 1.5 Amps
Max. Contact Resistance	20 mΩ
Insulation Resistance	≥ 500 MΩ

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

Patch Cable	
Patch Cable Construction	26 AWG 4 aluminium/polyester foiled screened twisted pairs (U/FTP) cabled together and overall jacketed
Conductor Construction	26 AWG stranded bare copper wires 7 x Ø0.16 mm
Cable Outer Diameter	Ø6.0 ± 0.2 mm
External Jacket Material	LSZH
Flammability Tests	IEC 60332, IEC 61034, IEC 60754
Current Rating	1.0 Amp @ 25°C
Insulation Resistance	≥ 500 MΩ @ 500 VDC
Dielectric Strength	1,000 V RMS @ 60 Hz for 1 minute
Impedance	100 Ω @ 1-250 MHz

### ORDERING INFORMATION

P/N	DESCRIPTION	
R4554XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Gray (*)	●
R3266XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Gray (**)	●
R3284XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Black (**)	●
R3285XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Blue (**)	●
R3287XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Yellow (**)	●
R3277XXX	SMARTen (CAT6A) UTP Patch Cord, LSZH, Red (***)	●
R3278XXX	SMARTen (CAT6A) UTP Crossover Cord, LSZH, Red (***)	●

#### Notes:

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

For example: R4554105 - 10.5 Meter; R4554200 - 20.0 Meter

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

Example for Gray: R3266050 - 0.5 Meter; R3266100 - 1.0 Meter; R3266950 - 9.5 Meter

(\*\*\*) For Red cords: The last 3 digits represent total length in XX.X Meters

For example: R3277015 – 1.5 Meters, R3277060 – 6.0 Meters, R3277110 – 11.0 Meters