



RiT SMARTen (Cat 6A) STP 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

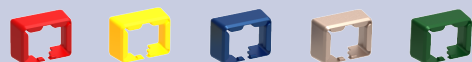
10-Gigabit Ethernet 10GBase-T  
Gigabit Ethernet 1000Base-T  
Voice, T1, ISDN  
HDBaseT  
Power over Ethernet (PoE)

### STANDARDS COMPLIANCE

ANSI/TIA-568.2-E:202  
ISO/IEC 11801-1 Class EA  
IEEE 802.3ab  
IEEE 802.3bt (4PPoE)  
IEC 60603-7-4 (2010)  
IEC 60332-1-2, IEC 61034-2, IEC 60754-2  
CENELEC EN 50173-5-1

### 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 7 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 (Cat 6A) RJ45 Modular STP 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	4 individually aluminum polyester -foil shielded twisted pairs, cabled overall braid shielded and jacketed with FR-LSZH compound jacket.
Conductor Construction	26 AWG stranded bare copper wires 7 x Ø0.16 mm
Cable Outer Diameter	Ø6.2 ± 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	
R4545XXX	SMARTen STP Patch Cord, LSZH, Gray (*)	●
R3268XXX	SMARTen STP Patch Cord, LSZH, Gray (**)	●
R4598XXX	SMARTen STP Patch Cord, LSZH, Purple	●
R4599XXX	SMARTen STP Patch Cord, LSZH, Yellow	●
R4626XXX	SMARTen STP Patch Cord, LSZH, Black	●
R4627XXX	SMARTen STP Patch Cord, LSZH, Red	●
R4628XXX	SMARTen STP Patch Cord, LSZH, Green	●
R4629XXX	SMARTen STP Patch Cord, LSZH, Blue	●

#### Notes:

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

For example: R4627005 - 0.5 Meter SMARTen STP Patch Cord, LSZH, Red; R44627010 - 1.0 Meter SMARTen STP Patch Cord, LSZH, Red; R4627100 - 10.0 Meter SMARTen STP Patch Cord, LSZH, Red

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

For example: R4545105 - 10.5 Meter SMARTen STP Patch Cord, LSZH, Gray ; R4545200 - 20.0 Meter SMARTen STP Patch Cord, LSZH, Gray

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

For example: R3268050 - 0.5 Meter SMARTen STP Patch Cord, LSZH, Gray ; R368100 - 1.0 Meter SMARTen STP Patch Cord, LSZH, Gray ; R3268950 - 9.5 Meter SMARTen STP Patch Cord, LSZH, Gray