TX6™ 10GIG™ Shielded Patch Cords

specifications

Category 6A shielded patch cords shall be constructed of shielded 26 AWG stranded copper cable and an enhanced performance shielded modular plug at each end. Patch cord cable shall be offered in colored S/STP cable with a black boot. Patch cords shall be used in all work area outlets and patch panels. Patch cords shall be wired to be compatible with both T568A and T568B wiring schemes. The *TX6™ 10GIG™* Shielded Patch Cords must be installed as part of a complete *PANDUIT® TX6™ 10GIG™* Shielded Copper Cabling System in order to achieve 10GBASE-T certified performance.

technical information

Category 6A/ ISO 11801 Class E$_A$ channel performance tested to 650MHz:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the draft requirement of ISO 11801 Class E$_A$ Edition 2.1, and IEEE 802.3an-2006, TIA/EIA568-B.2-10 ratified standards for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the *PANDUIT® TX6™ 10GIG™* Shielded Copper Cabling System
FCC compliance:	Meets FCC Part 68 subpart F; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
UL rated:	No. 1863

key features and benefits

100% performance tested for wire-map, NEXT and return loss	Confidence that each patch cord delivers specified performance
Centered de-embedded plug	Performs in center of ANSI/EIA/TIA-568-B.2-1 component range, ensuring interoperability and optimum performance
Integral pair manager	Optimizes performance, consistency and reliability by reducing untwist at plug
Patented tangle free latch	Prevents snags and provides easy release, saving time on frequent moves, adds, and changes
Slender strain relief boot	Provides easy access in high-density applications
Robust construction	Plug contact plated with 50 microinches of gold and rated to 2500 mating cycles
Flexible stranded cable	Copper cable made of 0.23 inch S/STP stranded 26 AWG allows for high density and superior panel cable management
Identification	Provides identification of performance level, length, and quality control number for future traceability
Variety of cable colors and lengths	Meets individual length and color coding requirements for greater system flexibility
Color bands (optional)	Snap onto cable, allowing additional color coding options
RJ45 plug lock-in device (optional)	Secures plug into jack to prevent unauthorized removal of patch cord

applications

TX6™ 10GIG™ Shielded Patch Cords are a component of the *PANDUIT® TX6™ 10GIG™* Shielded Copper Cabling System. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission. The *PANDUIT* solution helps ensure organizations efficiently and reliably meet their data transmission needs. Usage of the *TX6™ 10GIG™* Shielded Copper Cabling System includes high bandwidth applications within data centers and connections to high-end workstations such as:

- Stacking switches and switch-to-switch links
- Storage area networks
- Aggregation of Gigabit Ethernet channels
- Real-time intensive financial transactions
- Streaming video
- Animation
- Scientific modeling
- Medical imaging

TX6™ 10GIG™ Shielded Copper Cabling System

TX6™ 10GIG™ Shielded Patch Cords*

3 feet:	STP6X3IG
5 feet:	STP6X5IG
7 feet:	STP6X7IG
10 feet:	STP6X10IG
14 feet:	STP6X14IG
20 feet:	STP6X20IG

TX6™ 10GIG™ Shielded Jack Module

Jack module:	CJS6X88TGY

TX6™ 10GIG™ Shielded Copper Cable – U/FTP

Plenum:	PSP6004**-UG
Riser:	PSR6004**-UGY

MINI-COM® Angled All Metal Shielded Modular Patch Panels

24-port, 1 RU:	CPA24BLY
48-port, 2 RU:	CPA48BLY
72-port, 2 RU:	CPA72BLY

MINI-COM® Flat All Metal Shielded Modular Patch Panels

24-port, 1 RU:	CP24BLY
48-port, 2 RU:	CP48BLY
72-port, 2 RU:	CP72BLY

Tools and Accessories

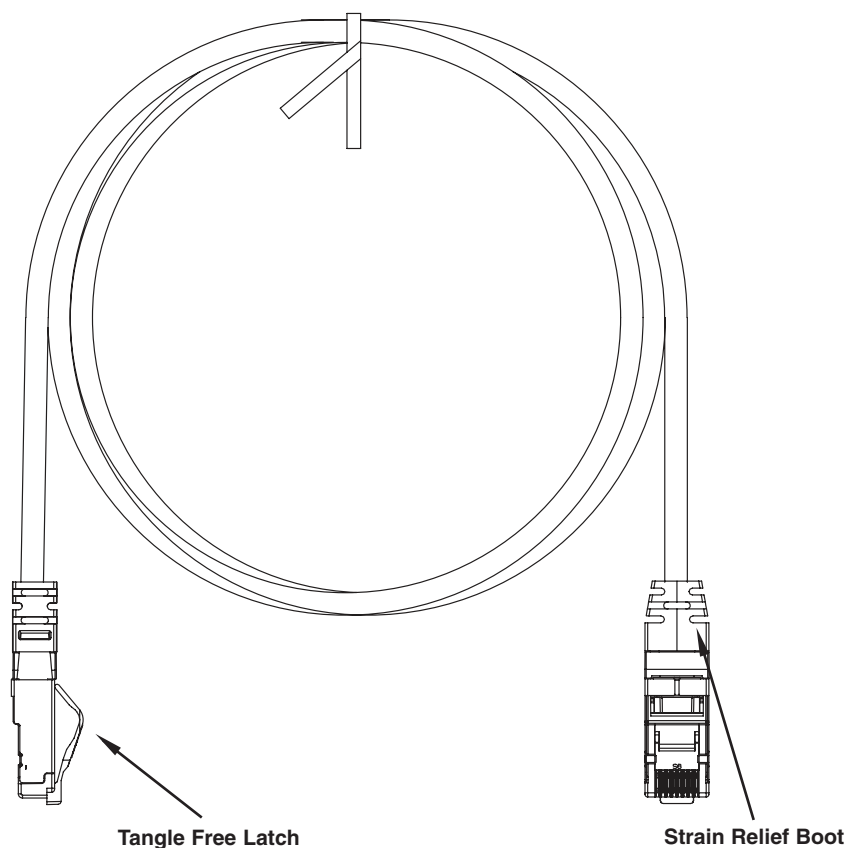|	
Patch cord removal tool:	PCRT1
Flashlight kit:	KPCRT-FL
Patch cord band:	PCBAND***-Q
Standard RJ45 plug lock-in device:	PSL-DCPL^
Recessed RJ45 plug lock-in device:	PSL-DCPLR^

*For lengths 2 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than IG (Int'l Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to end of part number. For example, the part number for a blue 15-foot patch cord is STP6X15BU.

**To designate color, add suffix BU (Blue), WH (White), IG (Int'l Gray), or YL Yellow).

***To designate color, add suffix WH (White), EI (Electric Ivory), IG (Int'l Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet) before -Q in part number.
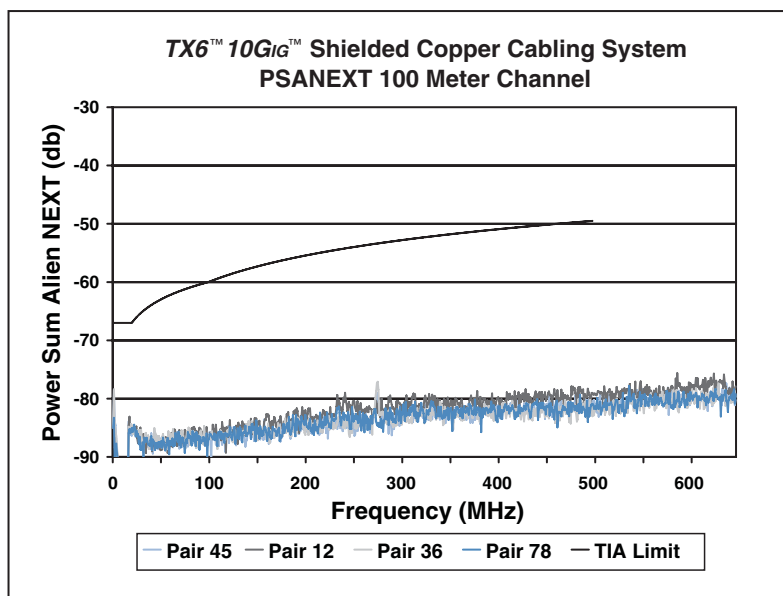
^For colors other than Red, add suffix -BL (Black), -BU (Blue), -YL (Yellow), -IW (Off White), -GR (Green) to end of part number.

Tangle Free Latch　　　　　　　　　**Strain Relief Boot**

T568B Wiring Scheme

Plug Position	Cable Wire
1	Red
2	Orange
3	Black
4	Blue
5	White
6	Green
7	Yellow
8	Brown

TX6™ 10GIG™ Shielded Copper Cabling System
PSANEXT 100 Meter Channel

Power Sum Alien NEXT (db) vs Frequency (MHz)

— Pair 45　— Pair 12　— Pair 36　— Pair 78　— TIA Limit

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