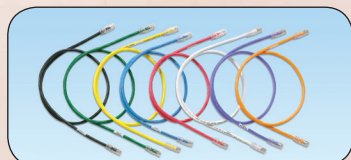
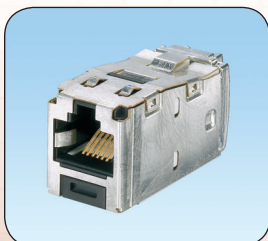
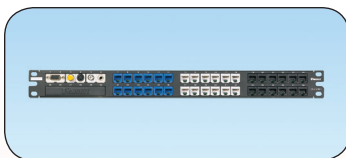
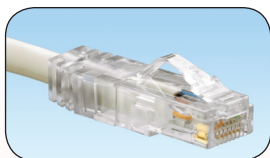
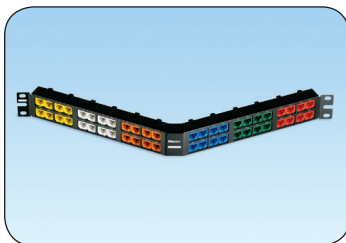
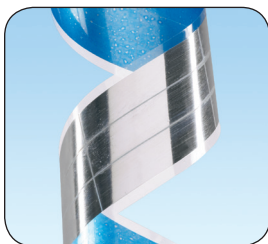
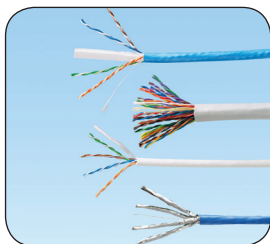


Copper Systems

Panduit offers end-to-end solutions for all twisted pair copper cabling applications. TX™ Copper Cabling Systems provide reliable network performance for the most demanding high-speed and bandwidth-demanding applications while exceeding the latest industry standards. Mini-Com® Modules are interchangeable within Panduit modular patch panels, faceplates, and surface mount boxes to provide modular solutions for intermediate to high-density installations. A variety of colors enable color-coding of connectivity for network segregation.



- **Copper cable is designed to be installed with Panduit connectivity products (jack modules, pre-terminated cassettes, patch panels, and patch cords) to provide a reliable, modular, end-to-end solution**
- **Copper TG Style Jack Modules feature enhanced Giga-TX™ Technology optimizing performance by maintaining cable pair geometry and eliminating conductor untwist; forward motion termination places no impact on critical internal components for maximum reliability**
- **Plug pack assemblies facilitate quick and easy connection and disconnection of patch cords to a variety of switches, reducing time and cost associated when installing and maintaining active equipment**
- **Patented angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers, providing a high-density solution which conserves valuable rack space**
- **TX6™ and TX6A-SD UTP Copper Cabling Systems with MatriX Technology provides headroom assurance that exceed requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3n-2006, and ISO 11801 Class E_A channel standards**
- **Small diameter cabling in Cat.6A, Cat. 6 and Cat. 5e performance provides design flexibility which supports high density patch fields in Enterprise and Data Center applications**

Panduit Copper Cabling System Selection Guide

Panduit Cabling System	TX6A™ Shielded	TX6A™ UTP	TX6500™	TX6000™	TX5500™
Performance Standard Compliance	- ANSI/TIA 568-C.2 Category 6A - ISO/IEC 11801 Class E _A	- ANSI/TIA 568-C.2 Category 6A - ISO/IEC 11801 Class E _A	- ANSI/TIA 568-C.2 Category 6 - ISO/IEC 11801 Class E	- ANSI/TIA 568-C.2 Category 6 - ISO/IEC 11801 Class E	- ANSI/TIA 568-C.2 Category 5e - ISO/IEC 11801 Class D
Specified Bandwidth	500 MHz	500 MHz	250 MHz	250 MHz	100 MHz
Application Standard Compliance	• 802.3 Ethernet: 10GBASE-T, 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T, 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T*, 100BASE-T, 1000BASE-T *(limited distances per TSB-155-A) • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T*, 100BASE-T, 1000BASE-T *(limited distances per TSB-155-A) • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)
Cable	PUPF6X04**/ PUFR6X04** PFP6X04**/ PFR6X04**	PUP6AM04**/ PUR6A04** PUP6ASD04**/ PUR6ASD04**	PUP6504**/ PUR6504**	PUP6004**/ PUR6004**	PUP5504**/ PUR5504**
Jack Module	CJS6X88TGY	CJ6X88TG**	CJ688TG**	CJ688TG**	CJ5E88TG**
Data Patch Panel	N/A	DP246X88TGY/ DP486X88TGY	DP24688TGY/ DP48688TGY	DP24688TGY/ DP48688TGY	DP2465E88TGY/ DP4865E88TGY
Patch Cord	STP6XN** STP28XN**	UTP6ASDN** UTP28XN**	UTPSPN**Y UTP28SPN**	UTPSPN**Y UTP28N**	UTPCHN**Y UTP28CHN**
Zone Cord	SAPPBUN/SAPRBUN SAJPBUN/SAJRBUN	UZPPBUN/UZPRBUN UZJPBUN/UZJRBUN	UPPBUN/UPRBUN UJPBUN/UJRBUN	UPPBUN/UPRBUN UJPBUN/UJRBUN	N/A
Punchdown System	N/A	GP6™ PLUS (standard density)	GP6™ PLUS	GP6™ PLUS	PanPunch® 110
Description	Recommended for high-data use installations in high EMI environments. Current or future applications which will operate at greater than Gigabit data rates (WLAN, imaging, video conferencing, server virtualization). Provides guaranteed headroom on internal and external (alien) parameters	Current or future applications which will operate at greater than Gigabit data rates (WLAN, imaging, video conferencing, server virtualization). Provides guaranteed headroom on internal and external (alien) parameters	Robust Gigabit system for high-data use environments. Provide superior guaranteed headroom on internal cabling system parameters	Robust Gigabit system for high-data use environments. Provides guaranteed headroom on internal cabling system parameters	General purpose Gigabit system for shorter term or temporary installations or for less data intensive locations

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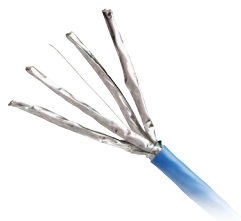
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TX6A™ U/FTP Shielded Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 61156-5 Category 6A component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.308 in. (7.8mm) nominal, Plenum 0.295 in. (7.5mm) nominal
- Installation temperature range: 32°F to 140°F (0°C to 60°C)
- Operating temperature range: -4° to 167°F (-20° to 75°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap



PUFR6X04BU-UG

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUFR6X04BU-UG	Category 6A, riser (CMR), 4-pair, U/FTP shielded copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, each individual twisted pair includes a metallic foil shield and is protected by a flame-retardant PVC jacket.	Blue	5000	1000

Plenum

PUFP6X04BU-UG	Category 6A, plenum (CMP), 4-pair, U/FTP shielded copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, each individual twisted pair includes a metallic foil shield and is protected by a low smoke, flame-retardant PVC jacket.	Blue	5000	1000
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‡For standard colors other than Blue, replace BU with WH (White), YL (Yellow), or IG (International Gray). Order number of pieces required, in multiples of 5,000 feet. Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.

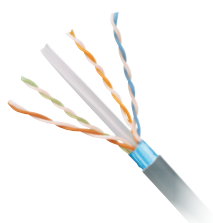
For Labeling and Identification (Section M), see pages M.1 thru M.18.

For additional product information, refer to www.panduit.com.

*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX6A™ Shielded F/UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 61156-5 Category 6A component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.284 in. (7.2mm) nominal, Plenum 0.290 in. (7.4mm) nominal
- Installation temperature range: -20°F to 75°F (-4°C to 167°C) during installation and operation
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap



PFR6X04BU-CG

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
PFR6X04BU-CG	Category 6A riser (CMR) 4-pair F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, all four pairs surrounded by an overall metallic foil shield and protected by a riser jacket.	Blue	9000	1000
PFP6X04BU-UG	Category 6A plenum (CMP) 4-pair F/UTP shielded copper cable. Conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair separator, all four pairs surrounded by an overall metallic foil shield and protected by a low smoke, flame-retardant PVC jacket.	Blue	9000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White). Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.

For Labeling and Identification (Section M), see pages M.1 thru M.18.

For additional product information, refer to www.panduit.com.

*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

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TX5500™ Category 5e F/UTP Shielded Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and IEC 61156-5 Category 5e component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.241 inch (6.1 mm), Plenum 0.229 inch (5.8mm)
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: -4°F to 140°F (-20°C to 60°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Cable supplied on a reel



PFR5504BU-UY

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PFR5504BU-UY	Category 5e, riser (CMR), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG construction with polyethylene insulation. Conductors are twisted in pairs, surrounded by an overall polyester aluminum foil with a stranded copper drain wire and protected by a flame-retardant PVC jacket.	Blue	5000	1000
Plenum				
PFP5504BU-UY	Category 5e, plenum (CMP), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG construction with FEP insulation. Conductors are twisted in pairs, surrounded by an overall polyester aluminum foil with stranded copper drain wire and protected by a low smoke flame-retardant PVC jacket.	Blue	5000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), IG (International Gray), BL (Black), GR (Green), OR (Orange), RD (Red), VL (Violet), or YL (Yellow).
For Labeling and Identification (Section M), see pages M.1 thru M.18.

For additional product information, refer to www.panduit.com.

*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.