



Copper Cabling Infrastructure Offering

PANDUIT

infrastructure for a connected world



Panduit Copper Cabling Systems

Today's enterprise IP networks support ever-expanding converged applications for voice, data, and video, as well as functions such as intelligent lighting, security, safety systems, and more. Panduit Enterprise Network Cabling Solutions provide the industry's most comprehensive and holistic portfolio of products and services that enable sustainable, energy-efficient enterprises. Our innovative design features provide improved network reliability and flexibility as well as easy installation and reduced maintenance costs.

In particular, Panduit's horizontal unshielded and shielded copper cabling offered in Category 7A, 7, 6A, 6, and 5e performance levels exceed all applicable ANSI/TIA and ISO standards. These systems are developed through advanced research and development, innovative technologies, and rigorous performance testing.

As a result, Panduit offers end-to-end copper cabling systems including patch cords, connectivity, and cable with best-in-class headroom warranties. Backed by years of experience, manufacturing excellence in ISO 9001 facilities, and a network of leading distributors to provide excellent customer support, Panduit is able to provide the infrastructure needed to support your enterprise network.

TX6A™ Category 6A Cabling System

This system utilizes patented MaTriX Technology in the cable and patch cords and advanced connector compensation techniques to achieve channel bandwidth performance well above industry standard requirements. The cabling system significantly reduces cost of ownership by eliminating the need for field testing, improving energy efficiencies with better airflow management and allowing for the implementation of advanced PoE applications. The complete system offers both reliable 10 GbE performance and the highest density infrastructure solution in the market.

TX6000™ Category 6 and TX5500™ Category 5e Cabling Systems

The TX6000™ and TX5500™ Solutions are fully integrated systems designed for optimum network performance and reliability. The solutions provide end-users with a system warranty spanning 25 years, and a channel performance headroom guarantee assures the cabling system will exceed the ANSI/TIA-568-C.2 and ISO 11801 standards relative to the following key electrical parameters: Insertion Loss, NEXT, Power Sum NEXT, ACR-N, PSACR-N, ACR-F, PSACR-F, and Return Loss.

The design of the horizontal and patch cable utilizes technology and advanced connector compensation techniques developed by Panduit to achieve channel bandwidth performance above industry standard requirements. The innovative design reduces the weight and diameter of the horizontal cabling, improving pathway capacity and resulting in improved air flow through dense data center enclosures and enterprise pathways without compromising performance.

The superior Bit Error Rate (BER) of the Panduit solution means a lower Packet Error Rate (PER) for your network. This means fewer packets need to be retransmitted, conserving valuable network bandwidth.

Guaranteed Channel Headroom

To determine the guaranteed headroom performance, over 100 channels were constructed, tested, and analyzed. These channels consisted of three and four connector topologies – in both short and long cabling runs – to ensure true worst-case conditions. Testing was conducted at swept frequencies per industry standards and testing represents “real world” conditions through the use of an industry recognized hand-held tester, not test analyzers or computer models.

All Panduit channels are field-tested by Panduit® ONE Partner, certified in Enterprise Structured Cabling Deploy Competency using industry standard hand-held devices, which provides verified Headroom Performance and ensures your network operates at optimal performance.

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Category 6A Copper Cable for North America Region

Part Number	Part Description	Flammability Rating	Color*	Length
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TX6A™ 10Gig™ UTP Copper Cable with Advanced MaTriX Technology – 100 Meter Channel Solution



PUP6AM04BU-UG	Category 6A, plenum (CMP), 4-pair, 23 AWG, UTP copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX Technology tape and protected by a low-smoke flame-retardant PVC jacket. Maximum operating temperature of 194°F (90°C).	CMP	Blue	1,000 ft./ 305m
PUR6AM04BU-CG	Category 6A riser (CMR) 4-pair UTP copper cable. Conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented Advanced MaTriX tape and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./ 305m

TX6A-SD™ 10Gig™ UTP Copper Cable with MaTriX Technology – 70 Meter Channel Solution



PUP6ASD04BU-UG	Category 6A, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 26 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patent-pending MaTriX tape and protected by a low-smoke flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	CMP	Blue	1,000 ft./ 305m
PUR6ASD04BU-CG	Category 6A, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 26 AWG with flame-retardant PVC insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patent-pending MaTriX tape and protected by a flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	CMR	Blue	1,000 ft./ 305m

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

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Category 6A Copper Cable for North America Region (continued)

Part Number	Part Description	Flammability Rating	Color*	Length
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TX6A™ 10Gig™ U/FTP Shielded Copper Cable



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 covered by a metallic foil shield and protected by a low-smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUFR6X04BU-UG	Category 6A riser (CMR) 4-pair U/FTP shielded copper cable. Conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, each covered by a metallic foil shield and protected by a low-smoke, flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m

TX6A™ 10Gig™ F/UTP Shielded Copper Cable

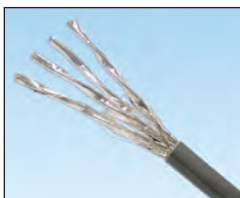


PFP6X04BU-UG	Category 6A, plenum (CMP), 4-pair, F/UTP copper cable. Copper conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by a low-smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
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 divider, surrounded by an overall metallic foil shield and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 7 Outside Plant Copper Cable for North America Region





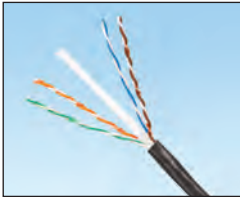
Part Number	Part Description	Flammability Rating	Color*	Length
PSO7004BL-KED*	Category 7, S/FTP outside plant cable copper cable. Conductors are 23 AWG with polyethylene insulation. The cable has a gel-filled construction and water block tape to prevent moisture migration in underground and wet applications and a wide temperature range for extreme weather environments. Copper conductors are twisted in pairs each covered by a foil shield within an overall braided shield. The UV and abrasion resistant polyethylene (PE) jacket is also flame retardant and halogen free. Black only.	OSP	Black	1,640 ft./500m



*Product is to be used in duct and conduit installations only. Not to be used in aerial or direct bury applications.







Category 6 Copper Cable for North America Region

Part Number	Part Description	Flammability Rating	Color*	Length
TX6500™ Premium Category 6 UTP Copper Cable				
 PUP6504BU-UY	Premium, high-performance, Category 6, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a low smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUR6504BU-UY	Premium, high-performance, Category 6, riser (CMR) 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m
TX6000™ Enhanced Category 6 UTP Copper Cable				
 PUP6004BU-W	Enhanced, Category 6, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a low smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUR6004BU-W	Enhanced, Category 6, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with polyolefin insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m
TX6™ Standard Compliant Category 6 UTP Copper Cable				
 PUP6C04BU-U	Category 6, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs, and protected by a low smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUR6C04BU-U	Category 6, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 23 AWG with polyolefin insulation. Conductors are twisted in pairs, and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m
TX6-28™ Category 6 28 AWG UTP Copper Cable				
 PUP6C2804BU-U	Category 6, 28 AWG, U/UTP, plenum, (CMP), 4-pair copper cable. The copper conductors are twisted in pairs, separated by a cross divider and covered by a low smoke, flame-retardant (CMP) PVC jacket.	CMP	Blue	1,000 ft./305m
PUR6C2804BU-U	Category 6, 28 AWG, U/UTP, riser (CMR), 4-pair copper cable. The copper conductors are twisted in pairs, separated by a cross divider and covered by a low smoke, flame-retardant (CMR) PVC jacket.	CMR	Blue	1,000 ft./305m
TX6™ Category 6 UTP Outside Plant Copper Cable				
 PUO6C04BL-U	Category 6 outside plant (OSP), 4-pair, UTP copper cable. Copper conductors are 23 AWG with polyolefin insulation. The cable has a gel-filled construction to prevent moisture migration in underground and wet applications. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a UV-resistant and abrasion-resistant PE jacket. For duct and conduit installations only; not to be used in aerial or direct burial applications.	OSP	Black	1,000 ft./305m

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 5e Copper Cable for North America Region

Part Number	Part Description	Flammability Rating	Color*	Length
TX5500™ Premium Category 5e UTP Copper Cable				
 PUP5504BU-UY	Premium Category 5e, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with FEP insulation. Conductors are twisted in pairs and protected by a low smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUR5504BU-UY	Premium Category 5e, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with polyolefin insulation. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m
TX5e™ Standard Compliant Category 5e UTP Copper Cable				
 PUP5C04BU-U	Category 5e, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs and protected by a low smoke, flame-retardant PVC jacket.	CMP	Blue	1,000 ft./305m
PUR5C04BU-U	Category 5e, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with polyolefin insulation. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.	CMR	Blue	1,000 ft./305m
TX5500™ Category 5e F/UTP Shielded Copper Cable				
 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.	CMP	Blue	1,000 ft./305m
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.	CMR	Blue	1,000 ft./305m
TX5500™ Category 5e 25-Pair UTP Copper Cable				
 PUP5525IG-UY	Category 5e, plenum (CMP) 25-pair UTP copper cable. Copper conductors are 24 AWG construction with FEP insulation. Conductors are twisted in pairs and placed in a low smoke, flame-retardant, fluoropolymer jacket.	CMP	International Gray	1,000 ft./305m
PUR5525IG-UY	Category 5e, riser (CMR) 25-pair UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and placed in a flame-retardant PVC jacket.	CMR	International Gray	1,000 ft./305m

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 7A Copper Cable for EMEA Region

Part Number	Part Description	Flammability Rating	Color*	Length
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TX7000™ S/FTP Shielded Copper Cable



PSL7A04WH-KD	Category 7A, low smoke zero halogen (LSZH), 4-pair, S/FTP shielded copper cable. Copper conductors are 22 AWG construction with polyethylene insulation. Conductors are twisted in pairs, each covered by a metallic foil shield, surrounded by an overall braided shield, and protected by a LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.
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*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 7 Copper Cable for EMEA Region

Part Number	Part Description	Flammability Rating	Color*	Length
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TX7000™ S/FTP Shielded Copper Cable



PSL7004WH-KD	Category 7, low smoke zero halogen (LSZH), 4-pair, S/FTP shielded copper cable. Copper conductors are 23 AWG construction with foamed skin PE insulation. Conductors are twisted in pairs, each covered by a metallic foil shield, surrounded by an overall braided shield, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.
PSL7004WH-CED	Category 7, low smoke zero halogen (LSZH), 4-pair, S/FTP shielded copper cable. Copper conductors are 23 AWG with foamed skin PE insulation. Conductors are twisted in pairs, each covered by a metallic foil shield, surrounded by an overall braided shield, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 7 Outside Plant Copper Cable for EMEA Region

Part Number	Part Description	Flammability Rating	Color*	Length
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PSO7004BL-KED**	Category 7, S/FTP outside plant cable copper cable. Conductors are 23 AWG with polyethylene insulation. The cable has a gel-filled construction and water block tape to prevent moisture migration in underground and wet applications and a wide temperature range for extreme weather environments. Copper conductors are twisted in pairs each covered by a foil shield within an overall braided shield. The UV and abrasion resistant polyethylene (PE) jacket is also flame retardant and halogen free.	OSP	Black	500m/ 1,640 ft.
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**Product is to be used in duct and conduit installations only. Not to be used in aerial or direct bury applications..

Category 6A Copper Cable for EMEA Region

Part Number	Part Description	Flammability Rating	Color*	Length
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TX6A™ 10Gig™ UTP Copper Cable with Advanced MaTriX Technology – 100 Meter Channel Solution



PUL6AM04WH-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ6AM04BU-CED	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	500m/ 1,640 ft.
PUC6AM04BU-CEG	Category 6A (CM) 4-pair UTP copper cable. Copper conductors are 23 AWG with PVC insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by a PVC jacket.	CM	Blue	305m/ 1,000 ft.

TX6A™ Standard Compliant Category 6A UTP Copper Cable



PUL6XC04WH-PEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG with HDPE and foam PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a flame-retardant LSZH (IEC 60332-1) jacket.	LSZH -1	White	305m/ 1,000 ft.
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TX6A-SD™ 10Gig™ UTP Copper Cable with MaTriX Technology – 70 Meter Channel Solution

PUL6ASD04WH-EG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 26 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by an LSZH (IEC 60332-1) flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	LSZH -1	White	305m/ 1,000 ft.
PUZ6ASD04WH-CED	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 26 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by an LSZH (IEC 60332-3) flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	LSZH-3	White	500m/ 1,640 ft.
PUC6ASD04BU-EG	Category 6A, (CM), 4-pair, UTP copper cable. Copper conductors are 26 AWG with PVC insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by a flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	CM	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

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Category 6A Copper Cable for EMEA Region (continued)

Part Number	Part Description	Flammability Rating	Color*	Length
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TX6A™ 10Gig™ U/FTP Shielded Copper Cable



PUFL6X04WH-KD	Category 6A, low smoke zero halogen (LSZH), 4-pair, U/FTP shielded copper cable. Conductors are 23 AWG with polyethylene (PE) insulation. Conductors are twisted in pairs, each individual twisted pair covered by a metallic foil shield and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.
PUFZ6X04BU-KD	Category 6A, low smoke zero halogen (LSZH), 4-pair, U/FTP shielded copper cable. Conductors are 23 AWG with polyethylene (PE) insulation. Conductors are twisted in pairs, each individual twisted pair covered by a metallic foil shield and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	500m/ 1,640 ft.

TX6A™ 10Gig™ F/UTP Shielded Copper Cable



PFL6X04WH-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PFZ6X04WH-CED	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	500m/ 1,640 ft.
PFC6X04BU-CEG	Category 6A, (CM), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a metallic foil shield and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.
PFFL6X04WH-CED	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/FTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs each individually twisted pair covered by a metallic foil shield, separated by an integrated pair divider, surrounded by a metallic foil shield, and protected by a LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.
PFFZ6X04BU-CED	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/FTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs each individually twisted pair covered by a metallic foil shield, separated by an integrated pair divider, surrounded by a metallic foil shield, and protected by a LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	500m/ 1,640 ft.


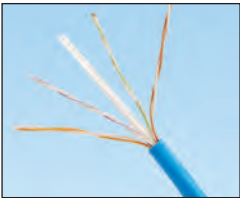
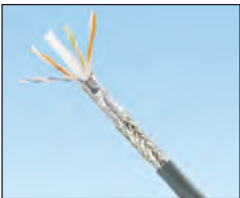
*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

NetKey® Category 6A Copper Cable for EMEA Region



Part Number	Part Description	Flammability Rating	Color*	Length
NUL6X04BU-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, U/UTP copper cable. Copper conductors are 23 AWG in pairs and covered by LSZH (IEC 60332-1) jacket.	LSZH-1	Blue	305m/ 1,000 ft.

Category 6 Copper Cable for EMEA Region

Part Number	Part Description	Flammability Rating	Color*	Length
TX6000™ Enhanced Category 6 UTP Copper Cable				
 PUL6004WH-KE	Enhanced, Category 6, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ6004WH-CEG	Enhanced, Category 6, low smoke zero halogen (LSZH), 4-pair, U/UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	305m/ 1,000 ft.
PUC6004IG-FE	Enhanced, Category 6, (CM), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a flame-retardant PVC jacket.	CM	International Gray	305m/ 1,000 ft.
TX6™ Standard Compliant Category 6 UTP Copper Cable				
 PUL6C04WH-CE	Category 6, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, separated by a cross divider, and covered by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUC6C04BU-CE	Category 6, (CM), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, separated by a cross divider, and covered by a PVC jacket.	CM	Blue	305m/ 1,000 ft.
TX6-28™ Category 6 28 AWG U/UTP Copper Cable				
PUD6C2804BU-CE	Category 6, 28 AWG, U/UTP, low smoke zero halogen (CM/LSZH/LSZH-FR), 4-pair copper cable. The copper conductors shall be twisted in pairs and covered by a low smoke, flame-retardant CM/LSZH/LSZH-FR jacket.	CM/LSZH-1/ LSZH-3	Blue	305m/ 1,000 ft.
TX6™ Category 6 UTP Outside Plant Copper Cable				
 PUO6C04BL-U	Category 6 outside plant (OSP), 4-pair, UTP copper cable. Copper conductors are 23 AWG with polyolefin insulation. The cable has a gel-filled construction to prevent moisture migration in underground and wet applications. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a UV-resistant and abrasion-resistant PE jacket. For duct and conduit installations only; not to be used in aerial or direct burial applications.	OSP	Black	305m/ 1,000 ft.
TX6000™ Category 6 F/UTP Shielded Copper Cable				
 PFL6004DG-KD	Category 6, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	Dark Gray	500m/ 1,640 ft.
PFC6004LG-KD	Category 6, (PVC), 4-pair, F/UTP copper cable. Copper conductors are 23 AWG construction with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall metallic foil shield and protected by a PVC jacket.	PVC	Light Gray	500m/ 1,640 ft.
PFZ6004BU-CED	Category 6, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	500m/ 1,640 ft.
TX6000™ Category 6 SF/UTP Shielded Copper Cable				
 PSFL6004DG-KD	Category 6, low smoke zero halogen (LSZH), 4-pair, SF/UTP copper cable. Copper conductors are 23 AWG construction with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall braid and overall foil shield, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	Dark Gray	500m/ 1,640 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.



NetKey® Category 6 Copper Cable for EMEA Region



Part Number	Part Description	Flammability Rating	Color*	Length
NUC6C04BU-CE	Category 6, CM, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs separated by an integrated pair divider and protected by a PVC (CM) jacket.	CM	Blue	305m/ 1,000 ft.
NUC6CR04BU-CE	Category 6, CM, 4-pair, U/UTP copper cable. Copper conductors are 24 AWG copper insulated with HDPE polymer and protected by a flame retardant PVC (CM) jacket.	CM	Blue	305m/ 1,000 ft.
NUL6C04BU-KE	Category 6, LSZH (IEC 60332-1), 4-pair U/UTP copper cable. Copper conductors are 24 AWG twisted pairs separated by an integrated pair divider and protected by a low smoke zero halogen (LSZH) jacket.	LSZH-1	Blue	305m/ 1,000 ft.
NUL6CR04BU-CE	Category 6, LSZH, 4-pair U/UTP copper cable. Copper conductors are 24 AWG twisted pairs, and protected by a low smoke zero halogen (LSZH) jacket.	LSZH-1	Blue	305m/ 1,000 ft.
NUZ6C04BU-CE	Category 6, LSZH, 4-pair, U/UTP copper cable. Copper conductors are twisted in pairs, separated by a cross divider and covered by a low smoke zero halogen (LSZH) jacket.	LSZH-3	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 5e Copper Cable for EMEA Region



Part Number	Part Description	Flammability Rating	Color*	Length
TX5500™ Premium Category 5e UTP Copper Cable				
PUL5504WH-EY	Premium Category 5e, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ5504WH-CEG	Premium, Category 5e, low smoke zero halogen (LSZH), 4-pair, U/UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and all four pairs are covered by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	305m/ 1,000 ft.
PUC5504IG-EY	Premium Category 5e, (CM), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.	CM	International Gray	305m/ 1,000 ft.
TX5500™ Category 5e F/UTP Shielded Copper Cable				
PFL5504DG-KD	Category 5e, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, surrounded by an overall metallic foil, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	Dark Gray	500m/ 1,640 ft.
PFC5504LG-KD	Category 5e, (PVC), 4-pair, F/UTP copper cable. Conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, surrounded by an overall metallic foil and protected by a PVC jacket.	PVC	Light Gray	500m/ 1,640 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

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NetKey® Category 5e Copper Cable for EMEA Region



Part Number	Part Description	Flammability Rating	Color*	Length
NUC5C04BU-CE	Category 5e, CM, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and covered by a flame retardant PVC (CM) jacket.	CM	Blue	305m/ 1,000 ft.
NUL5C04BU-CE	Category 5e, LSZH, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and covered by a low smoke zero halogen (LSZH) jacket.	LSZH-1	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 5/3 Copper Cable for EMEA Region






Part Number	Part Description	Flammability Rating	Color*	Length
Multi-Pair Category 5 UTP Copper Cable				
PUC5025WH-A	Category 5 (CM) 25-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC5050WH-A	Category 5 (CM) 50-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC50100WH-A	Category 5 (CM) 100-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.



Multi-Pair Category 3 UTP Copper Cable				
PUC3025WH-A	Category 3 (CM) 25-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC3050WH-A	Category 3 (CM) 50-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC30100WH-A	Category 3 (CM) 100-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUL3025WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 25-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH-1	White	305m/ 1,000 ft.
PUL3050WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 50-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH-1	White	305m/ 1,000 ft.
PUL30100WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 100-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH-1	White	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 7/6A Copper Cable for Latin America and Asia Pacific Regions

Part Number	Part Description	Flammability Rating	Color*	Length
TX7000™ S/FTP Shielded Copper Cable				
 PSL7004WH-CED	Category 7, low smoke zero halogen (LSZH), 4-pair, S/FTP copper cable. Copper conductors are 23 AWG with foamed skin PE insulation. Conductors are twisted in pairs, each covered by a metallic foil shield, surrounded by an overall braided shield, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	500m/ 1,640 ft.
TX6A™ 10Gig™ UTP Copper Cable with Advanced MaTriX Technology – 100 Meter Channel Solution				
 PUL6AM04WH-CEG	Category 6A low smoke zero halogen (LSZH) 4-pair UTP copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by a low smoke flame-retardant LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ6AM04BU-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	305m/ 1,000 ft.
PUC6AM04BU-CEG	Category 6A (CM) 4-pair UTP copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX tape and protected by a PVC jacket.	CM	Blue	305m/ 1,000 ft.
PUR6AM04BU-CG	Category 6A riser (CMR) 4-pair UTP copper cable. Conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented Advanced MaTriX tape and protected by a flame-retardant PVC jacket.	CMR	Blue	305m/ 1,000 ft.
PUP6AM04BU-UGA	Category 6A, plenum (CMP), 4-pair, 23 AWG, UTP copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented Advanced MaTriX Technology tape and protected by a low-smoke flame-retardant PVC jacket.	CMP	Blue	305m/ 1,000 ft.
TX6A-SD™ 10Gig™ UTP Copper Cable with MaTriX Technology – 70 Meter Channel Solution				
 PUL6ASD04WH-EG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 26 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by an LSZH (IEC 60332-1) flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	LSZH	White	305m/ 1,000 ft.
PUZ6ASD04WH-EG	Category 6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 26 AWG with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by an LSZH (IEC 60332-3) flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	LSZH-3	White	305m/ 1,000 ft.
PUC6ASD04BU-EG	Category 6A, (CM), 4-pair, UTP copper cable. Copper conductors are 26 AWG with PVC insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patented MaTriX tape and protected by a flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	CM	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

(continued on page 15)

Category 6A Copper Cable for Latin America and Asia Pacific Regions (continued)

Part Number	Part Description	Flammability Rating	Color*	Length
TX6A™ 10Gig™ F/UTP Shielded Copper Cable				
PFL6X04WH-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PFZ6X04WH-CEG	Category 6A, low smoke zero halogen (LSZH), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	305m/ 1,000 ft.
PFC6X04BU-CEG	Category 6A, (CM), 4-pair, F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.
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 divider, all four pairs surrounded by an overall metallic foil shield and protected by a flame-retardant PVC jacket.	CMR	Blue	305m/ 1,000 ft.



*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.





NetKey® Category 6A Copper Cable for Latin America and Asia Pacific Regions



Part Number	Part Description	Flammability Rating	Color*	Length
NUL6X04BU-CEG*	Category 6A LSZH, 4-pair, U/UTP copper cable. Conductors are 23 AWG and protected by a low smoke zero halogen, LSZH (IEC 60332-1) jacket	LSZH-1	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 6 Copper Cable for Latin America and Asia Pacific Regions

Part Number	Part Description	Flammability Rating	Color*	Length
TX6000™ Enhanced Category 6 High Performance UTP Copper Cable				
 PUL6004WH-FE	Enhanced, Category 6, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ6004WH-CEG	Enhanced, Category 6, low smoke zero halogen (LSZH), 4-pair, U/UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and covered by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	305m/ 1,000 ft.
PUC6004BU-FE	Enhanced, Category 6, (CM), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.
TX6™ Standard Compliant Category 6 UTP Copper Cable				
 PUL6C04WH-C	Category 6, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and covered by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUC6C04BU-C	Category 6, (CM), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and covered by a PVC jacket.	CM	Blue	305m/ 1,000 ft.
TX6™ Category 6 UTP Outside Plant Copper Cable				
 PUO6C04BL-U	Category 6 outside plant (OSP), 4-pair, UTP copper cable. Copper conductors are 23 AWG with polyolefin insulation. The cable has a gel-filled construction to prevent moisture migration in underground and wet applications. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a UV-resistant and abrasion-resistant PE jacket. For duct and conduit installations only; not to be used in aerial or direct burial applications.	OSP	Black	305m/ 1,000 ft.
TX6000™ Category 6 F/UTP Shielded Copper Cable				
 PFL6004WH-G	Category 6, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PFC6004BU-G	Category 6, (CM), 4-pair, F/UTP copper cable. Conductors are 23 AWG construction with HDPE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by an overall metallic foil shield and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 5e Copper Cable for Latin America and Asia Pacific Regions

Part Number	Part Description	Flammability Rating	Color*	Length
TX5500™ Premium Category 5e UTP Copper Cable				
PUL5504WHY	Premium Category 5e, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Conductors are 24 AWG construction with PE insulation. The conductors are twisted in pairs and protected by a flame-retardant LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PUZ5504WH-CEG	Premium, Category 5e, low smoke zero halogen (LSZH), 4-pair, U/UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and protected by an LSZH (IEC 60332-3) jacket.	LSZH-3	White	305m/ 1,000 ft.
PUC5504BUY	Premium Category 5e, (CM), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.



TX5500™ Category 5e F/UTP Shielded Copper Cable				
PFL5504WH-G	Category 5e, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG with HDPE insulation. Conductors are twisted in pairs, covered with a metallic foil shield, and protected by an LSZH (IEC 60332-1) jacket.	LSZH-1	White	305m/ 1,000 ft.
PFC5504BU-G	Category 5e, (CM), 4-pair, F/UTP copper cable. Conductors are 24 AWG construction with PE insulation. Conductors are twisted in pairs, surrounded by an overall metallic foil and protected by a PVC jacket.	CM	Blue	305m/ 1,000 ft.



*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.

Category 5/3 Copper Cable for Latin America and Asia Pacific Regions

Part Number	Part Description	Flammability Rating	Color*	Length
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Multi-Pair Category 5 UTP Copper Cable

PUC5025WH-A	Category 5 (CM) 25-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC5050WH-A	Category 5 (CM) 50-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC50100WH-A	Category 5 (CM) 100-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.



Multi-Pair Category 3 UTP Copper Cable

PUC3025WH-A	Category 3 (CM) 25-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC3050WH-A	Category 3 (CM) 50-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUC30100WH-A	Category 3 (CM) 100-pair UTP copper cable. Conductors are 24 AWG construction and protected in a PVC jacket.	CM	White	305m/ 1,000 ft.
PUL3025WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 25-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH	White	305m/ 1,000 ft.
PUL3050WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 50-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH	White	305m/ 1,000 ft.
PUL30100WH-A	Category 3, UTP, low smoke zero halogen (LSZH), 100-pair, copper cable. Conductors are 24 AWG construction and protected in a flame-retardant LSZH jacket.	LSZH	White	305m/ 1,000 ft.

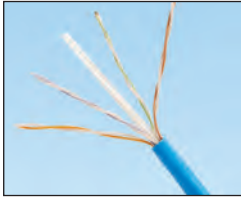


*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.




NetKey® Copper Cable for Latin America and Asia Pacific Regions

Part Number	Part Description	Flammability Rating	Color*	Length
Category 6 UTP Copper Cable				
NUC6C04BU-C	Category 6, CM, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and separated by an integrated pair divider and protected by a PVC jacket.	CM	Blue	305m/ 1,000 ft.
NUC6CR04BU-CE	Category 6, CM, 4-pair, U/UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.
NUL6C04BU-C	Category 6, 4-pair, U/UTP copper cable. Copper conductors are 24 AWG, twisted in pairs, separated by an integrated pair divider and protected by a low smoke zero halogen, LSZH-1 (IEC 60332-1) jacket, 305m in an easy payout carton.	LSZH-1	Blue	305m/ 1,000 ft.
NUL6CR04BU-CE	Category 6, LSZH, 4-pair, U/UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and protected by a low smoke zero halogen, LSZH, jacket.	LSZH-1	Blue	305m/ 1,000 ft.
NUR6C04BU-C	Category 6, CMR, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and separated by an integrated pair divider and protected by a flame-retardant PVC jacket.	CM	Blue	305m/ 1,000 ft.
NUZ6C04BU-CE	Category 6, LSZH 4-pair, U/UTP copper cable. Copper conductors are 24 AWG, protected by a low smoke zero halogen, LSZH (IEC 60332-3) jacket.	LSZH-3	Blue	305m/ 1,000 ft.
Category 5e UTP Copper Cable				
NUC5C04BU-C	Category 5e, CM, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and protected by a PVC jacket.	CM	Blue	305m/ 1,000 ft.
NUL5C04BU-C	Category 5e, LSZH, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and protected by a low smoke zero halogen jacket.	LSZH-1	Blue	305m/ 1,000 ft.
NUR5C04BU-C	Category 5e, CMR, 4-pair, UTP copper cable. Copper conductors are 24 AWG, twisted in pairs and protected by a flame-retardant PVC jacket.	CMR	Blue	305m/ 1,000 ft.

*Standard cable colors are shown. Example: BU (Blue), WH (White). Visit www.panduit.com for availability of other colors.



Harsh Environment Applications – All Regions

Part Number	Part Description	Flammability Rating	Color*	Length
TX7000™ Shielded S/FTP Copper Cable				
 PSM7004BU-KEM	Category 7 low smoke, zero halogen (LSZH), 4-pair S/FTP shielded marine copper cable. Stranded copper conductors are 23 AWG construction with foamed PE insulation. Conductors are twisted in pairs, each covered by a metallic foil, surrounded by with an overall braided shield and protected by an oil and fuel resistant, LSZH (SHF1) (IEC 60332-1/3) jacket.	LSZH-1 LSZH-3	Blue	1000m/ 3,280 ft.
TX7000™ Shielded S/FTP MUD-Resistant Armored Shipboard Copper Cable				
 PSMDA7004WG-LED	Category 7 low smoke, zero halogen (LSZH), 4-pair S/FTP shielded marine MUD-resistant armored copper cable. Stranded copper conductors are 22 AWG construction with foamed PE insulation. Conductors are twisted in pairs, each surrounded by a foil, covered with an overall braided shield, and a thermoplastic copolymer inner jacket, which is covered by a stainless steel armor and an oil-, fuel-, UV- and MUD-resistant halogen-free, fire-retardant LSZH (SHF2) (IEC 60332-1/3) jacket.	LSZH-1 LSZH-3	Gray	500m/ 1,640 ft.
TX7000™ Shielded S/FTP MUD-Resistant Shipboard Copper Cable				
 PSMD7004WG-LED	Category 7 low smoke, zero halogen (LSZH), 4-pair S/FTP shielded marine MUD-resistant copper cable. Stranded copper conductors are 22 AWG construction with foamed PE insulation. Conductors are twisted in pairs, each surrounded by a foil, covered with an overall braided shield, within an oil-, fuel-, UV- and MUD-resistant LSZH (SHF2) (IEC 60332-1/3) jacket.	LSZH-1 LSZH-3	Gray	500m/ 1,640 ft.

*Standard cable colors are shown. Visit www.panduit.com for availability of other colors.

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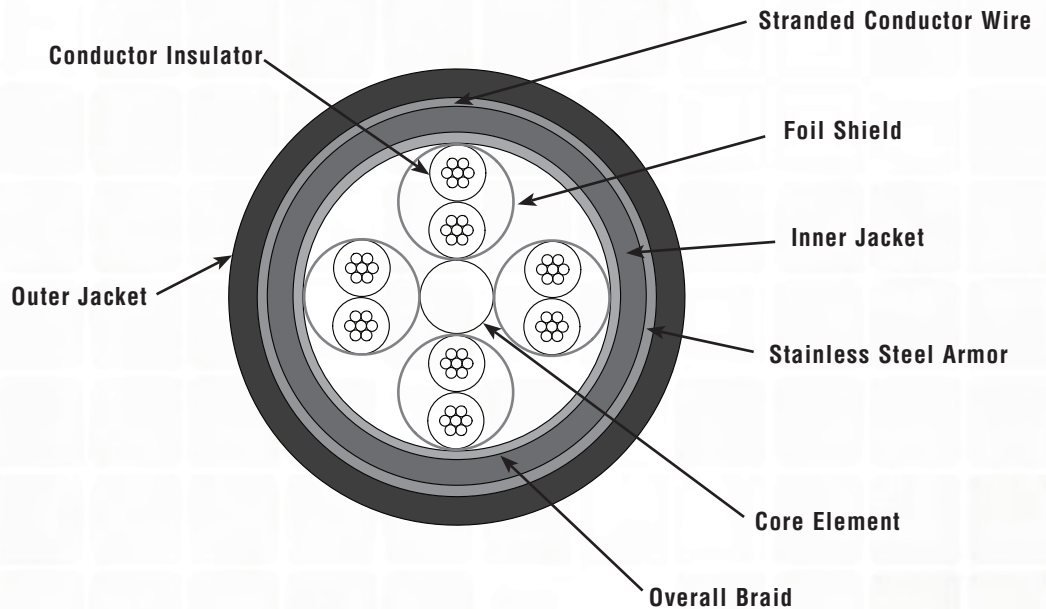
Harsh Environment Applications (continued)



Part Number	Part Description	Flammability Rating	Color*	Length
TX6000™ Shielded S/FTP Copper Cable				
PSM6004BU-LED	Category 6 low smoke, zero halogen (LSZH), 4-pair S/FTP shielded marine copper cable. Stranded copper conductors are 22 AWG construction with foamed PE insulation. Conductors are twisted in pairs, each covered by a metallic foil, surrounded by an overall braided shield and protected by an oil and fuel resistant LSZH (SHF1) (IEC 60332-1/-3) jacket.	LSZH-1 LSZH-3	Blue	500m/ 1,640 ft.

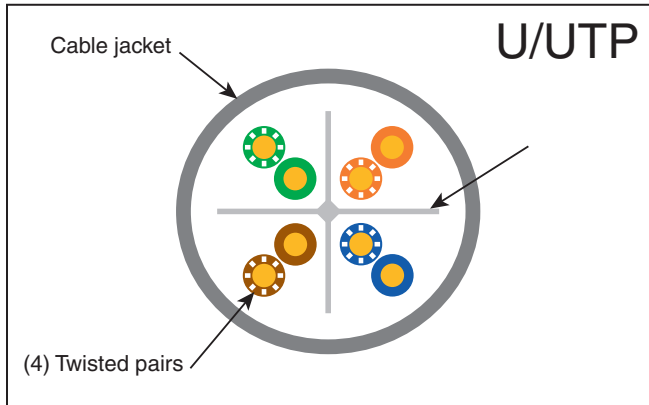
*Standard cable colors are shown. Visit www.panduit.com for availability of other colors.

S/FTP MUD-Resistant Armored Shipboard Copper Cable



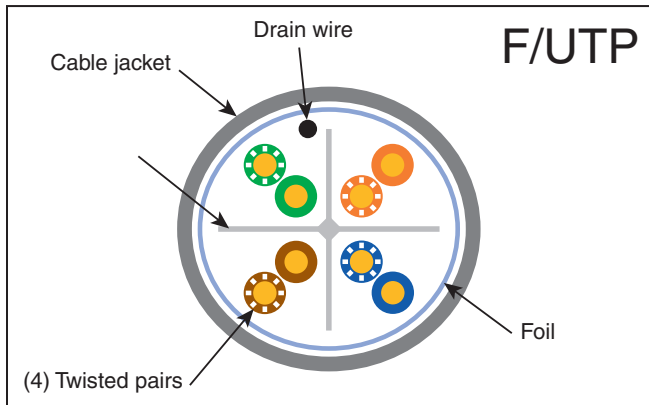
Copper Cable Construction Reference Guide

Unshielded

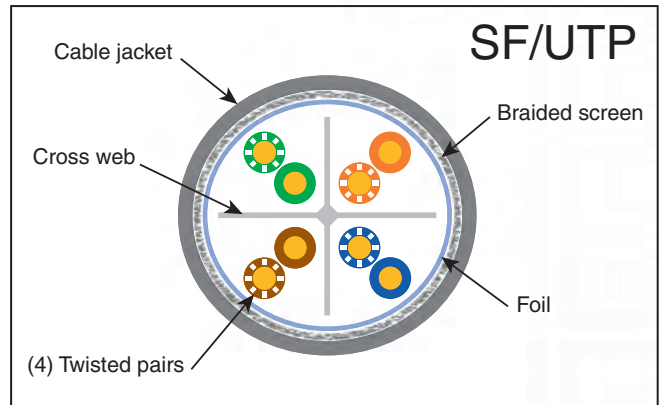


UTP: Unshielded Twisted Pairs

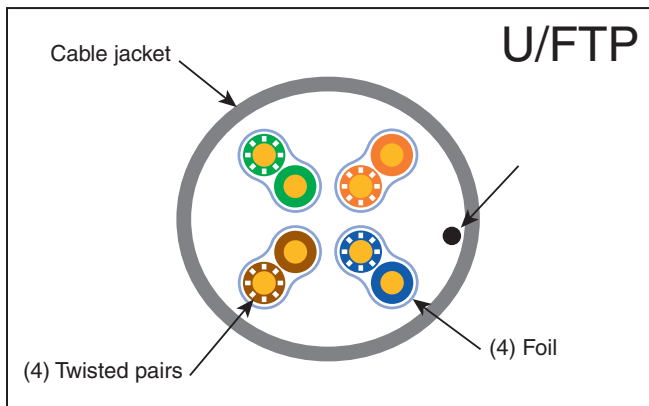
Shielded



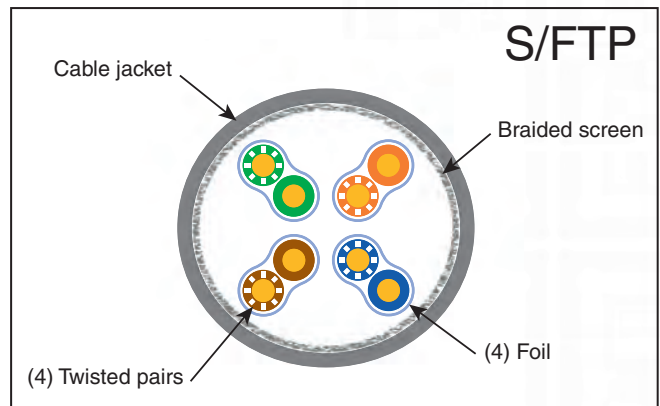
F/UTP: Foil screen around Unshielded Twisted Pairs



SF/UTP: Braided Screen and Foil screen around Unshielded Twisted Pairs



U/FTP: Unshielded with individual Foiled Twisted Pairs



S/FTP: Braided Screen around individual Foiled Twisted Pairs

Cable Flame Ratings Reference Guide

Cable fire ratings need to be considered when specifying cabling infrastructure to ensure local building codes are met. The below rating guide provides the information needed to determine which rating is appropriate for different installation environments.

Plenum (CMP)

A plenum is defined as any enclosed area that facilitates environmental air handling. Examples include air conditioning duct or an air routing drop ceiling. However, a plenum can be any air space between walls, under floors, or above non-air handling dropped ceilings if duct work is not sealed correctly. Plenum cables are held to the most stringent testing of any of the cables rated by the NEC, rated for both flammability and smoke generation.

Riser (CMR)

Riser cables do just what their name suggests, they rise between floors. Riser cables may also penetrate either fire-rated walls or floors. The cables are subjected to flame tests only, and are not held to as high of a standard as Plenum-rated cables. Plenum cables may be substituted for riser.

General Purpose (CM)

General purpose cables may be used anywhere in commercial buildings other than areas where riser or plenum cables are required. The cables are flame tested and held to a lower standard than either riser or plenum cables. Both plenum and riser rated cables are acceptable substitutes for general purpose rated cables.

General Purpose (PVC)

General purpose PVC cables may be used anywhere in commercial buildings in EMEA other than areas where UL rated or LSZH rated cables are required. These general purpose PVC cables are flame tested to IEC 60332-1 and held to a lower standard than UL rated or LSZH rated cables.

Low Smoke Zero Halogen (LSZH)

Low smoke zero halogen cables have been developed to eliminate toxic gases produced when a cable's jacket burns. They are recommended for use in enclosed areas with little ventilation or in areas where sensitive equipment could be damaged. Required in many situations by European standards, it's an indicator of the jacket and insulator chemical makeup. In addition to the tests below, these cables must pass IEC 60754 and IEC 61034.

LSZH -1

Meets IEC 60332-1 test for vertical flame propagation for a single insulated wire or cable.

LSZH - 3

Meets IEC 60332-3 test for vertical flame spread of vertically-mounted bunched wires or cables..

Outside Plant Cable (OSP)

Outside Plant (OSP) cables have been developed to provide an extension of the LAN beyond the premises or in situations where local building codes require an OSP-rated cable when the cable is in direct contact with earth and whether protected by conduit or not. These cables typically have a UV-resistant and abrasion resistant jacket and contain a gel and/or waterblocking tape which prevents water ingress.



PANDUIT®

Panduit Corp.
World Headquarters
Tinley Park, IL 60487

800.777.3300

www.panduit.com