

NetKey™ Cabling System



PANDUIT™

building a smarter,
unified business foundation

Connect. Manage. Automate.

NetKey™ Cabling System

The NetKey™ Copper and Fibre Cabling System provides a complete, standards compliant cabling infrastructure solution for voice, data, and video applications. NetKey™ Modules feature the universal “keystone” design and are compatible with a wide assortment of modular patch panels, faceplates, and surface mount boxes. When teamed with complementary Panduit products, the NetKey™ solutions cover all your needs from the telecommunication room to the work area with the proven innovation and quality you depend on from Panduit.



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NetKey™ Copper Cable

- Meets ISO/IEC and ANSI/TIA-568-C.2 Category 6/Class E and Category 5e/Class D performance requirements
- Reduced cable diameter for improved installation and termination
- Descending length cable markings enable easy identification of remaining cable
- Third party verified to ISO 11801 and ANSI/TIA-568-C.2
- 305m (1,000 ft.) in an easy-pay-out box



Part Number	Description
Category 6 UTP Copper Cable	
NUC6C04WH-CE	Category 6, CM, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a PVC jacket.
NUC6CR04WH-CE	Category 6, CM, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.
NUL6C04WH-CE	Category 6, LSZH, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a low smoke zero halogen jacket.
NUL6CR04WH-CE	Category 6, LSZH, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs and protected by a low smoke zero halogen jacket.
Category 5e UTP Copper Cable	
NUC5C04WH-CE	Category 5e, CM, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs and protected by a PVC jacket.
NUL5C04WH-CE	Category 5e, LSZH, 4-pair UTP white copper cable. Copper conductors are 24 AWG. Conductors are twisted in pairs and protected by a low smoke zero halogen jacket.

Fibre Optic Distribution Cable

- Used in intrabuilding backbone, building backbone, and horizontal installations for low smoke zero halogen (LSZH), and general-purpose environments
- Used in intrabuilding backbone, building backbone, and horizontal installations for riser (OFNR), and general-purpose environments
- Singlemode (OS1) and multimode (OM1, OM2, OM2+ 10Gig 150, and OM3 10Gig 300 850nm laser optimised) fibre available
- Sheath markings provide positive identification, quality, traceability and length verification
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- 900µm standards-based colour-coded buffer coating protects fibres during handling and allows for easy identification and stripping
- Opti-Core™ 10Gig™ Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 metres with an 850nm source per IEEE 802.3ae 10 GbE Standard; backward compatible for use with all 50/125µm system requirements
- 10Gig™ Fibre Optic Indoor/Outdoor Cable includes 10Gig 300 OM3 Cable for 300 metre reach requirements and also 10Gig 150 OM2+ Cable for 150 metre reach requirements



Fibre Optic LSZH Distribution Cable

Part Number	Description
FQDLX24	24-fibre 10Gig 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.
FQDLX12	12-fibre 10Gig 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.
FQCLX12	12-fibre(OM3) multimode LSZH rated indoor/outdoor central cable.
FQCLX24	24-fibre (OM3) multimode LSZH rated indoor/outdoor central cable.
FPCL912	12-fibre (OS1/OS2) singlemode LSZH rated indoor/outdoor central cable.
FPCL924	24-fibre (OS1/OS2) singlemode LSZH rated indoor/outdoor central cable.

These products are available for sale in the EMEA region only. Lengths and availability: Opti-Core™ Fibre Optic Distribution Cable is available in 10 metre increments greater than 1000 metres. Other custom length options are available that include jacket colours, hybrid constructions (multiple fibre types within a single cable), flame ratings, subunit counts, armouring, indoor/outdoor designs, premium optical performance grades and ribbonised constructions. Contact Customer Service (+44 20 8601 7200) for available configurations and lead times.

NetKey™ Copper Category 6 and 5e Jack Modules

- Meet all industry performance standards for Category 6 and 5e
- Snap in and out of keystone openings for easy moves, adds, and changes
- Universal label includes T568A and T568B wiring schemes



NK688MBU



NK6TMWH



NK5E88MIWY

Part Number	Description	Colour
NK6TMBL	NetKey™ Category 6, 8-position, 8-wire, keystone jack module.	Black
NK6TMYL		Off White
NK6TMBU		Blue
NK6TMWH		White
NK688MBL	NetKey™ Category 6, 8-position, 8-wire, punchdown, keystone jack module.	Black
NK688MYL		Off White
NK688MBU		Blue
NK688MWH		White

NetKey™ Copper UTP Patch Cords

- Meet all industry performance standards for Category 6 and 5e
- 100% performance tested



NK6PC^M^Y



NK5EPC^M^Y

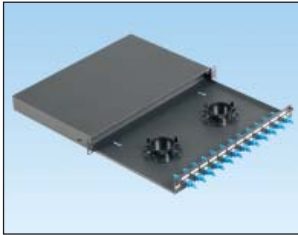
Part Number	Description
NK6PC^M^Y	NetKey™ Category 6, UTP patch cord with modular plugs on each end.
NK5EPC^M^Y	NetKey™ Category 5e, UTP patch cord with modular plugs on each end.

^Available in 0.5, 1, 2, 3, 4, 5 metre lengths.

*For standard colours other than Off White, add suffix BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), VL (Violet), or GY (Grey) before Y in the part number. For example, the part number of a blue, Category 6, 5-metre patch cord is NK6PC5MBUY.

NetKey™ Fibre Enclosures

- Factory configured with 12 or 24 duplex LC adapters for fast and easy cabling and installation
- Slide-out drawer slides forward a full 300mm for service access to all fibre terminations, connections and/or splices
- Supports both field termination via pot-and-polish using Panduit™ NetKey™ Connectors, or fusion splicing with appropriate slack storage and cable management provisions
- Simple two-piece, all-metal body construction for easy and economical installation with no loose components to misplace; improved protection over plastic fibre drawers



NKFD1W12AQDLC

Part Number	Description
NKFD1W12AQDLC	Pre-loaded fibre drawer with 12 NetKey™ LC duplex adapters for 50/125µm (OM3/OM4) multimode fibre.
NKFD1W24AQDLC	Pre-loaded fiber drawer with 24 NetKey™ LC duplex adapters for 50µm (OM3/OM4) multimode fibre.

*For 6 adapters per enclosure, replace 12 in part number with 6.

**For 12 adapters per enclosure, replace 24 in part number with 12.

NetKey™ Fibre Optic Patch Cords

- Meets TIA/EIA-568-C.3 requirements
- Insertion loss: 0.1dB typical (multimode), 0.2dB typical (singlemode)
- Return loss: >20dB (multimode), >40dB (singlemode)
- Each duplex plug includes housing, insert, two ferrule assemblies, two crimp sleeves, one boot for 3mm jacketed cable and two dust caps



Part Number	Description
NKFXEL02L-LM02	NetKey™ LC to LC patch cord, OM3, LSZH, duplex, 2m.
NKFXEL02L-LM03	NetKey™ LC to LC patch cord, OM3, LSZH, duplex, 3m.
NKF9EL02L-LM02	NetKey™ LC to LC patch cord, singlemode, LSZH, duplex (1.6 mm jacket), 2m.
NKF9EL02L-LM03	NetKey™ LC to LC patch cord, singlemode, LSZH, duplex (1.6 mm jacket), 3m.
NKF9BN011-NM01	NetKey™ LC to pigtail, SM, simplex, 900µm buffered fibre, 1m.
NKFXBN011-NM01	NetKey™ LC to pigtail, OM3, simplex, 900µm buffered fibre, 1m.

NetKey™ Patch Panels

- Mount to standard TIA/EIA 19" racks
- Punchdown patch panels meet all industry performance standards for Category 6 and 5e
- Modular patch panel accept all NetKey™ Modules
- Molded design for improved flexibility and durability
- Strain relief bars assist in cable management and bend radius control



NK5EPPN24P
NK6PPN24P



NK5EPPN48P
NK6PPN48P



NKPPN24P

Part Number	Description
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Punchdown Patch Panels*

NK5EPPN24P	NetKey™ All Molded Punchdown Patch Panel, Category 5e, flat, 24-port, 1 RU.
NK5EPPN48P	NetKey™ All Molded Punchdown Patch Panel, Category 5e, flat, 48-port, 2 RU.
NK6PPN24P	NetKey™ All Molded Punchdown Patch Panel, Category 6, flat, 24-port, 1 RU.
NK6PPN48P	NetKey™ All Molded Punchdown Patch Panel, Category 6, flat, 48-port, 2 RU.

*Punchdown patch panels are colour-coded for T568A and T568B wiring schemes.

Modular Patch Panels

NKPPN24P	NetKey™ All Molded Modular Patch Panel, 24-port, 1 RU.
NKPPN48P	NetKey™ All Molded Modular Patch Panel, 48-port, 2 RU.

NetKey™ Faceplates

- Accept all NetKey™ Modules
- Optional labels for easy port identification



NK6CSAW-X



NKFPLUKF2SAW



NKUKS2AW

Part Number	Description	Colour
NK2HSFAWY	NetKey™ 2-port, single gang, sloped horizontal faceplate with labels.	Arctic
NKBTA1WH-X	NetKey™ 1-port, adapter for bticino faceplate.	White
NK6CSAW-X	NetKey™ 1-port, single gang, shutter lju6c adapter.	Arctic
NKFPLUKF2SAW	NetKey™ 2-port, single gang, 86mm x 86mm, shuttered faceplate with labels.	Arctic
NKFS2SAW	NetKey™ 2-port, single gang, sloped faceplate kit.	Arctic
NKUKS2AW	NetKey™ 2-port, single gang, sloped faceplate kit with labels.	Arctic

Real-World Solutions to Ensure the Success of Our Customers

*With a proven reputation for excellence and innovation, Panduit and our partners work with you to overcome challenges and implement real-world solutions that create a competitive business advantage. Panduit offers the broadest range of solutions, from data centres and intelligent buildings to manufacturing operations, to help you build a **smarter, unified business foundation**.*



Technology Leadership

Panduit develops innovative physical infrastructure solutions that meet the rapidly changing needs of our clients, from hardware and software to advisory services. This commitment is supported by investment in advanced research, solutions-focused product development, world-class manufacturing, and collaboration with customers at the forefront of technology.



Partner Ecosystem

Our best-in-class partner ecosystem offers a comprehensive portfolio of services that span the project lifecycle, from planning and design to delivery, deployment, maintenance and operation. Panduit business partners – distributors and certified architects, consultants, engineers, designers, system integrators, and contractors – are qualified to help you achieve your objectives and realise predictable and measurable results.



Strategic Alliances

Panduit cultivates long-term strategic alliances with industry leaders, including Cisco Systems, EMC, IBM, and Rockwell Automation, to develop, optimise, and validate solutions for our customers. This investment in people and resources helps solve our customers' greatest business challenges.



Global Business Commitment

Panduit is committed to delivering a consistently high level of quality and service the world over. With a presence in more than 100 countries, local Panduit sales representatives and technical specialists offer guidance and support that bring value to your business. Our global supply chain, which includes manufacturing, customer service, logistics, and distribution partners, provides prompt response to your inquiries and streamlines delivery to any worldwide destination.



Sustainability

With a commitment to environmental sustainability, Panduit develops and implements solutions that protect, replenish and restore the world in which we live. This commitment is demonstrated by Panduit's LEED Gold certified World Headquarters, leveraging the Unified Physical InfrastructureSM approach to enable convergence of critical building systems to drive energy efficiency and ongoing operational improvement.

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