NetKey™ Cabling System

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infrastructure for a connected world
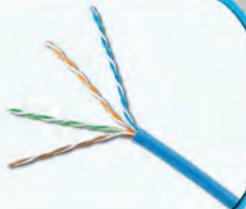
NetKey™ Cabling System

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.
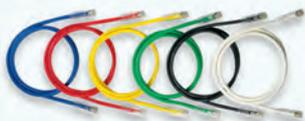
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NetKey™ Copper Cable

- Meets ISO/IEC Category 6A/Class E_A and 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 6A UTP Copper Cable	
NUL6X04BU-CEG	Copper cable, Category 6A, 4-pair, 23 AWG, U/UTP, LSZH (IEC60332-1), Blue, Euro pallet, 1000ft/305m.
Category 6 UTP Copper Cable	
NUC6C04BU-CE	Copper cable, Category 6, 4-pair, 24 AWG, UTP, CM, Blue, Euro pallet, 1000ft/305m.
NUL6C04BU-KE	Copper cable, Category 6, 4-pair, 24 AWG, U/UTP, LSZH-1 (IEC 60332-1), Blue, 305m in an easy payout carton.
Category 6 UTP Copper Cable – Reduced Diameter	
NUC6CR04BU-CE	Copper cable, NetKey™ Category 6, 4-pair, 24 AWG, U/UTP, CM, Euro pallet, 305m carton.
NUL6CR04BU-CE	Copper cable, NetKey™ Category 6, 4-pair, 24 AWG, U/UTP, LSZH, Euro pallet, 305m carton .
Category 5e UTP Copper Cable	
NUC5C04BU-CE	Copper cable, Category 5e, 4-pair, 24 AWG, UTP, CM, Blue, 1000ft/305m.
NUL5C04BU-CE	Copper cable, Category 5e, 4-pair, 24 AWG, UTP, LSZH, Blue, 1000ft/305m.

*For standard colours replace BU (Blue) with IG (International Gray), WH (white), RD (red), VL (Violet), GR (Green), BL (Black), YL (Yellow).

NetKey™ Copper Category 6A, 6 and 5e Jack Modules

- Exceeds all industry performance standards for Category 6A, 6 and 5e
- Snap in and out of keystone openings for easy moves, adds, and changes

- Supports PoE, PoE+, PoE++
- Universal label includes T568A and T568B wiring schemes
- Punchdown jack modules are 100% performance tested and individually serialized for future traceability

NK6X88MIW
NK688MIW
NKP5E88MIW

NK6TMIW

NK5E88MIWY

Part Number	Description	Color*
NetKey™ Category 6A UTP Jack Modules		
NK6X88MIW	Category 6A, component compliant, 8-position, 8-wire keystone punchdown jack module.	Off White
NK6X88MIW-Q	Category 6A, component compliant, 8-position, 8-wire keystone punchdown jack modules,ccnvenience pack of 25.	Off White
NetKey™ Category 6 UTP Jack Modules		
NK6TMIW	Category 6, 8-position, 8-wire keystone TP termination style jack module.	Off White
NK688MIW	Category 6, component compliant, 8-position, 8-wire keystone punchdown jack module.	Off White
NK688MIW-Q	Category 6, component compliant, 8-position, 8-wire keystone punchdown jack modules, convenience pack of 25.	Off White
NetKey™ Category 5e UTP Jack Modules		
NK5E88MIW	Category 5e, component compliant, 8-position, 8-wire keystone punchdown jack module.	Off White
NKP5E88MIW-Q	Category 5e, component compliant, 8-position, 8-wire keystone punchdown jack modules, convenience pack of 25.	Off White
NK5E88MIWY	Category 5e, component compliant, 8-position, 8-wire keystone leadframe jack module.	Off White
NK5E88MIW-Q	Category 5e, component compliant, 8-position, 8-wire keystone leadframe jack modules, convenience pack of 25.	Off White

*For standard colors, replace IW (Off White) with: EI (Electric Ivory), IG (International gray), WH (White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet).

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NetKey™ Copper UTP Patch Cords

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

NK6APC3MBU
NK6PC3MBUY

NK5EPC3MBUY

Part Number	Description
Category 6A	
NK6APC3MBU^*	Category 6A, UTP patch cord with modular plugs on each end.
Category 6	
NK6PC3MBUY^*	Category 6, UTP patch cord with modular plugs on each end.
Category 5e	
NK5EPC3MBUY^*	Category 5e, UTP patch cord with modular plugs on each end.

^ Available in 0.5, 1, 2, 3, 4, and 5 metre lengths. (Shown in 3 metres.)
*Patch cords listed in BU (Blue). For additional colours, replace "BU" with IW (Off White), RD (Red), YL (Yellow) or GR (Green), before Y in the part number. For example, the part number of a Red, Category 6, 3 metre patch cord is NK6PC3MRDY.

NetKey™ Fibre Optic Patch Cords and Pigtails

- Compliant with ANSI/TIA 568-C.3-1 and ISO/IEC 11801, TIA-604-5 (FOCIS-5)
- Patch cords and pigtails include OM3 fiber or OM1, OM2, or OS2 fiber in 900µm tight-buffered fiber, 1.6mm or 3.0mm duplex zipcord jacketed cable

- 100% performance tested assures that patch cords and pigtails are standard compliant
- Q.C. identification label quality control reference provides lifetime traceability of test data

Part Number	Description
ST to ST Patch Cords*	
NKFP623L22SM001	OM1 2-fiber 3.0mm LSZH jacket patch cord ST to ST – 1 meter.
NKFP523L22SM001	OM2 2-fiber 3.0mm LSZH jacket patch cord ST to ST – 1 meter.
NKFPX23L22SM001	OM3 2-fiber 3.0mm LSZH jacket patch cord ST to ST – 1 meter.
NKFP923L22SM001	OS2 2-fiber 3.0mm LSZH jacket patch cord ST to ST – 1 meter.

*Available in lengths of 1 – 5, 10, 15, and 20m.

Part Number	Description
SC to SC Patch Cords*	
NKFP623LSSSM001	OM1 2-fiber 3.0mm LSZH jacket patch cord SC duplex to SC duplex – 1 meter.
NKFP523LSSSM001	OM2 2-fiber 3.0mm LSZH jacket patch cord SC duplex to SC duplex – 1 meter.
NKFPX23LSSSM001	OM3 2-fiber 3.0mm LSZH jacket patch cord SC duplex to SC duplex – 1 meter.
NKFP923LSSSM001	OS2 2-fiber 3.0mm LSZH jacket patch cord SC duplex to SC duplex – 1 meter.

*Available in lengths of 1 – 5, 10, 15, and 20m.

Part Number	Description
LC to LC Patch Cords*	
NKFP62ELLLSM001	OM1 2-fiber 1.6mm LSZH jacket patch cord LC duplex to LC duplex – 1 meter.
NKFP52ELLLSM001	OM2 2-fiber 1.6mm LSZH jacket patch cord LC duplex to LC duplex – 1 meter.
NKFPX2ELLLSM001	OM3 2-fiber 1.6mm LSZH jacket patch cord LC duplex to LC duplex – 1 meter.
NKFP92ELLLSM001	OS2 2-fiber 1.6mm LSZH jacket patch cord LC duplex to LC duplex – 1 meter.

*OM1 and OM2 available in lengths of 1 – 5, 10, 15, 20m; OS2 and OM3 available in lengths of 1-15, 20, 25, 30, 35, 40, 45, 50m.

Part Number	Description
SC to LC Patch Cords*	
NKFP62ELLSSM001	OM1 2-fiber 1.6mm LSZH jacket patch cord LC to SC – 1 meter.
NKFP52ELLSSM001	OM2 2-fiber 1.6mm LSZH jacket patch cord LC to SC – 1 meter.
NKFPX2ELLSSM001	OM3 2-fiber 1.6mm LSZH jacket patch cord LC to SC – 1 meter.
NKFP92ELLSSM001	OS2 2-fiber 1.6mm LSZH jacket patch cord LC to SC – 1 meter.

*OM1 and OM2 available in lengths of 1 – 5, 10, 15, 20m; OS2 and OM3 available in lengths of 1 – 15, 20, 25, 30, 35, 40, 45, 50m.
For standard meter lengths other than 1 meter (2, 3, 5 or 10), change the length designation in the part number to the desired length. For example, the part number for a 2 meter, ST to ST, OM1, riser, duplex patch cord is NKFP623R22SM002.

NetKey™ Fibre Optic Patch Cords and Pigtails (continued)

Part Number	Description
LC Pigtails	
NKFP61BN1NNM001	OM1 1-fiber 900µm buffered pigtail LC – 1 meter.
NKFP51BN1NNM001	OM2 1-fiber 900µm buffered pigtail LC – 1 meter.
NKFPX1BN1NNM001*	OM3 1-fiber 900µm buffered pigtail LC – 1 meter.
NKFP91BN1NNM001*	OS2 1-fiber 900µm buffered pigtail LC – 1 meter.
SC Pigtails	
NKFP61BN3NNM001	OM1 1-fiber 900µm buffered pigtail SC – 1 meter.
NKFP51BN3NNM001	OM2 1-fiber 900µm buffered pigtail SC – 1 meter.
NKFPX1BN3NNM001	OM3 1-fiber 900µm buffered pigtail SC – 1 meter.
NKFP91BN3NNM001	OS2 1-fiber 900µm buffered pigtail SC – 1 meter.
ST Pigtails	
NKFP61BN2NNM001	OM1 1-fiber 900µm buffered pigtail ST – 1 meter.
NKFP51BN2NNM001	OM2 1-fiber 900µm buffered pigtail ST – 1 meter.
NKFPX1BN2NNM001*	OM3 1-fiber 900µm buffered pigtail ST – 1 meter.
NKFP91BN2NNM001*	OS2 1-fiber 900µm buffered pigtail ST – 1 meter.

*Pigtails listed in 1m lengths. For 2m lengths, replace last digit with 2.

Part Number	Description
LC Pigtails Kits	
NKFP91BNINKM001	OS2 1-fiber OS2 LC to pigtail, 900µm tight buffered cable, 1m (12-color pigtail set).
NKFPX1BNINKM001	OM3 1-fiber OM3 LC to pigtail, 900µm tight buffered cable, 1m (12-color pigtail set).
SC Pigtails Kits	
NKFP91BN3NKM001	OS2 1-fiber OS2 SC to pigtail, 900µm tight buffered cable, 1m (12-color pigtail set).
NKFPX1BN3NKM001	OM3 1-fiber OM3 SC to pigtail, 900µm tight buffered cable, 1m (12-color pigtail set).

NetKey™ Fibre Enclosures

- Factory configured with 6, 12, or 24 duplex LC or SC 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 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
- Mounting hardware and fiber routing accessory kit included

Part Number	Description
SC Adapters	
NKFD1W6AQDSC	Pre-loaded fiber drawer with 6 SC duplex adapters, Aqua.
NKFD1W6BLDSC	Pre-loaded fiber drawer with 6 SC duplex adapters, Black.
NKFD1W6EIDSC	Pre-loaded fiber drawer with 6 SC duplex adapters, Electric Ivory.
NKFD1W6BUDSCZ	Pre-loaded fiber drawer with 6 SC duplex adapters with zirconia ceramic split sleeve, Blue.

*For a 12 adapter enclosure, replace the 6 with 12.

Part Number	Description
LC Adapters	
NKFD1W12AQDLC	Pre-loaded fiber drawer with 12 LC duplex adapters, Aqua.
NKFD1W12BLDLC	Pre-loaded fiber drawer with 12 LC duplex adapters, Black.
NKFD1W12EIDLC	Pre-loaded fiber drawer with 12 LC duplex adapters, Electric Ivory.
NKFD1W12BUDLCZ	Pre-loaded fiber drawer with 12 LC duplex adapters with zirconia ceramic split sleeve, Blue.

*For a 24 adapter enclosure, replace the 12 with 24.

NetKey™ Fibre Optic Adapter Modules

- Short flange design (LC and SC only) for improved modularity and high density usage
- Adapters available in keystone modules for system flexibility; modules are interchangeable with keystone outlets, boxes, and patch panels

- Choice of phosphor bronze or zirconia ceramic split sleeves provides an adapter split sleeve material option to fit specific network requirements

Part Number	Description
LC Adapter Modules	
NKDLCM**	Module supplied with one LC Sr./Jr. SFF multimode duplex adapter with phosphor bronze split sleeves.
NKDLCMZ**	Module supplied with one LC Sr./Jr. SFF singlemode duplex adapter with zirconia ceramic split sleeves.
SC Adapter Modules	
NKSCM**	Module supplied with one SC multimode simplex adapter with phosphor bronze split sleeve.
NKSCMZ**	Module supplied with one SC singlemode simplex adapter with zirconia ceramic split sleeve.
ST Adapter Modules	
NKSTM**	Module supplied with one ST multimode simplex adapter with phosphor bronze split sleeve.

**Substitute for module color. Available colors: BL (Black), EI (Electric Ivory), IG (International Gray), IW (Off White), WH (White), and AQ (Aqua).

NetKey™ Patch Panels

Part Number	Description
Punchdown Patch Panels	
Category 6A	
NK6XPPG24Y	Category 6A punchdown patch panel, 24-port, 1 RU.
NK6XPPG48Y	Category 6A punchdown patch panel, 48-port, 2 RU.
NKA6XPPG24Y	Category 6A angled punchdown patch panel, 24-port, 1 RU.
NKA6XPPG48Y	Category 6A angled punchdown patch panel, 48-port, 2 RU.
NK6XPP24P	Category 6A molded, flat, punchdown patch panel, 24-port, 1 RU.
NK6XPP48P	Category 6A molded, flat, punchdown patch panel, 48-port, 2 RU.
Category 6	
NK6PPG12WY	Category 6, 12-port punchdown patch panel. Mounts to wall with standard 89D bracket (WB89D).
NK6PPG24Y	Category 6 punchdown patch panel, 24-port, 1 RU.
NK6PPG48Y	Category 6 punchdown patch panel, 48-port, 2 RU.
NKA6PPG24Y	Category 6 angled punchdown patch panel, 24-port, 1 RU.
NKA6PPG48Y	Category 6 angled punchdown patch panel, 48-port, 2 RU.
NK6PP24P	Category 6 molded, flat, punchdown patch panel, 24-port, 1 RU.
NK6PP48P	Category 6 molded, flat, punchdown patch panel, 48-port, 2 RU.
Category 5e	
NK5EPPG12WY	Category 5e, 12-port punchdown patch panel. Mounts to wall with standard 89D bracket (WB89D).
NK5EPPG24Y	Category 5e punchdown patch panel, 24-port, 1 RU.
NK5EPPG48Y	Category 5e punchdown patch panel, 48-port, 2 RU.
NKA5EPPG24Y	Category 5e angled punchdown patch panel, 24-port, 1 RU.
NKA5EPPG48Y	Category 5e angled punchdown patch panel, 48-port, 2 RU.
NK5EPP24P	Category 5e molded, flat, punchdown patch panel, 24-port, 1 RU.
NK5EPP48P	Category 5e molded, flat, punchdown patch panel, 48-port, 2 RU.

NetKey™ Patch Panels (continued)

Part Number	Description
Modular Patch Panels	
NKFP12W	12-port modular patch panel. Mounts to wall with standard 89D bracket (WB89D).
NKFP24Y	24-port modular patch panel, 1 RU.
NKFP48Y	48-port modular patch panel, 2 RU.
NKPP24P	24-port molded modular patch panel, 1 RU.
NKPP48P	48-port molded modular patch panel, 2 RU.
NKFP24KSRBSY	24-port modular patch panel with strain relief bar, 1 RU.
NKFP48KSRBSY	48-port modular patch panel with strain relief bar, 2 RU.
All Metal Modular Patch Panels	
NKMP24Y	NetKey™ All Metal Modular Patch Panel, flat, flush mount, 24-Port, 1 RU.
NKMP48Y	NetKey™ All Metal Modular Patch Panel, flat, flush mount, 48-Port, 2 RU.
Angled Modular Patch Panels	
NKPPA24FMY	24-port flush mount angled modular patch panel, 1 RU.
NKPPA48FMY	48-port flush mount angled modular patch panel, 2 RU.
NKPP24FMY	24-port flush mount modular patch panel, 1 RU.
NKPP48FMY	48-port flush mount modular patch panel, 2 RU.
High Density Patch Panels	
NKPP48HDY	48-port high density flush mount patch panel, supplied with six 8-port rear mounted faceplates.
NKPPA48HDY	48-port angled high density flush mount patch panel, supplied with six 8-port rear mounted faceplates.

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NetKey™ Faceplates

- Accept all NetKey™ Modules
- Available in a variety of port densities
- Optional labels for easy port identification

Part Number	Description	Color
NK1FNIW*	Single gang, flush mount vertical faceplate.	Off White
NK1FIWY**	Single gang flush mount vertical faceplate with labels.	Off White
NK2HSFAWY^	Single gang, 2-port sloped, horizontal faceplate with labels.	Arctic White
NK4VSFIW	Single gang, 4-port, sloped, vertical faceplate with labels.	Off White
NKFPL86F2SAW	Single gang, 86mm x 86mm shuttered faceplates with label and icon slots. Accepts two NetKey™ Modules and includes two M4.0-0.7 x 25mm panhead mounting screws.	Arctic White
NKFPL86F4SAW	Single gang, 86mm x 86mm shuttered faceplates with label and icon slots. Accepts four NetKey™ Modules and includes two M4.0-0.7 x 25mm panhead mounting screws.	Arctic White
NKFPLUKF2SAW	Single gang, 86mm x 86mm shuttered faceplates with label and icon slots. Accepts two NetKey™ Modules and includes two M3.5-0.5 panhead mounting screws.	Arctic White
NKFPLUKF4SAW	Single gang, 86mm x 86mm shuttered faceplates with label and icon slots. Accepts four NetKey™ Modules and includes two M3.5-0.5 panhead mounting screws.	Arctic White
NK2HSFAWY	Single gang, flush mount, sloped, horizontal faceplate with labels. Accepts two NetKey™ Modules.	Arctic White.
NK4HSFAWY	Single gang, flush mount, sloped, horizontal faceplate with labels. Accepts up to four NetKey™ Modules.	Arctic White.
NKUKS2AW	Single gang, sloped faceplate kit with labels. Includes one 86mm x 86mm faceplate frame and sloped insert. Accepts two NetKey™ Modules.	Arctic White
NKUKS4AW-2G	Double gang, sloped faceplate kit with labels. Includes one 146mm x 86mm faceplate frame and two sloped inserts. Accepts four NetKey™ Modules.	Arctic White
Stainless Steel Faceplates		
NKF2S^^	Single gang, stainless steel, vertical faceplate with labels. Accepts up to two NetKey™ Modules.	Stainless Steel
NKF4S^^	Single gang, stainless steel, vertical faceplate with labels. Accepts up to four NetKey™ Modules.	Stainless Steel

Image captions for faceplates: NK1FNIW* · NK1FIWY** · NK2HSFAWY^ · NK4VSFIW · NKFPL86F2SAW · NKFPL86F4SAW · NKFPLUKF4SAW · NK2HSFAWY · NK4HSFAWY · NKUKS2AW · NKUKS2SAW · NKF2S · NKF4S

*Available in 1, 2, 3, and 4 port density configurations. For other port densities replace the 1 with appropriate port density.
**Available in single gang 1, 2, 4, and 6-port density configurations and 8 or 12-port double gang port density configurations. For other configurations replace 1 with appropriate port density.
^Available in 2 or 4 port density. For 4 port, replace 2 with 4.
^^Available in 2, 4, or 6 port density configurations. When mounting, opening should be a minimum of 2" wide. For other port densities, replace 2 with 4 or 6.
For additional colours, replace AW (Arctic White) with: IW (Off White), EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black). NK2HSF**Y and NK4HSF**Y not available in BL (Black).

NetKey™ Surface Mount Boxes

- Accept all NetKey™ Modules
- Include mounting screws and adhesive tape
- Compatible with Panduit LD3, LD5, and LD10 Raceway

Part Number	Description	Color
NK2BXAW-A	Surface mount box accepts up to two NetKey™ Modules.	Arctic White
NK4BXAW-AY	Surface mount box accepts up to four NetKey™ Modules.	Arctic White
NK6BXIW-AY	Surface mount box accepts up to six NetKey™ Modules.	Arctic White
CBM-X	Optional magnet for mounting on metal surfaces. Compatible with NK2BXAW-A and NK4BXAW-AY.	—

Image captions for surface mount boxes: NK2BXAW-A · NK4BXAW-AY · NK6BXIW-AY · CBM-X

For additional colors, replace AW (Arctic White) with: IE (Electric Ivory), IG (International Gray), IW (Off White),or WH (White).

Net-Verse™ Cabinets

The Net-Verse Versatile Cabinets are the preferred choice for applications that require maximum flexibility and the capacity to manage high cable density in data center, enterprise or co-location deployment.

Net-Verse™ Cabinet Specification

- Welded and assembled steel frame construction
- Easy maintenance durable black powder coat finish
- Fully adjustable front and rear e-rails offers application flexibility
- Curved perforated front single door with two-point locking system
- Perforated split hinge rear doors with three-point locking system
- Two full height PDU brackets with provisions for securing and bundling cables

- Brush cable entry to minimize hot air recirculation thru the roof
- Includes casters
- Compliance: EIA-310-E, TIA/EIA-942 and UL 2416
- Load ratings: static – 3000 lbs. (1360 kg); rolling – 1100 lbs. (500 kg)
- Size available: 600mm and 800mm widths, 1000mm and 1200mm depths, and 42 RU and 45 RU heights
- EIA-310-E and TIA/EIA-942 compliance
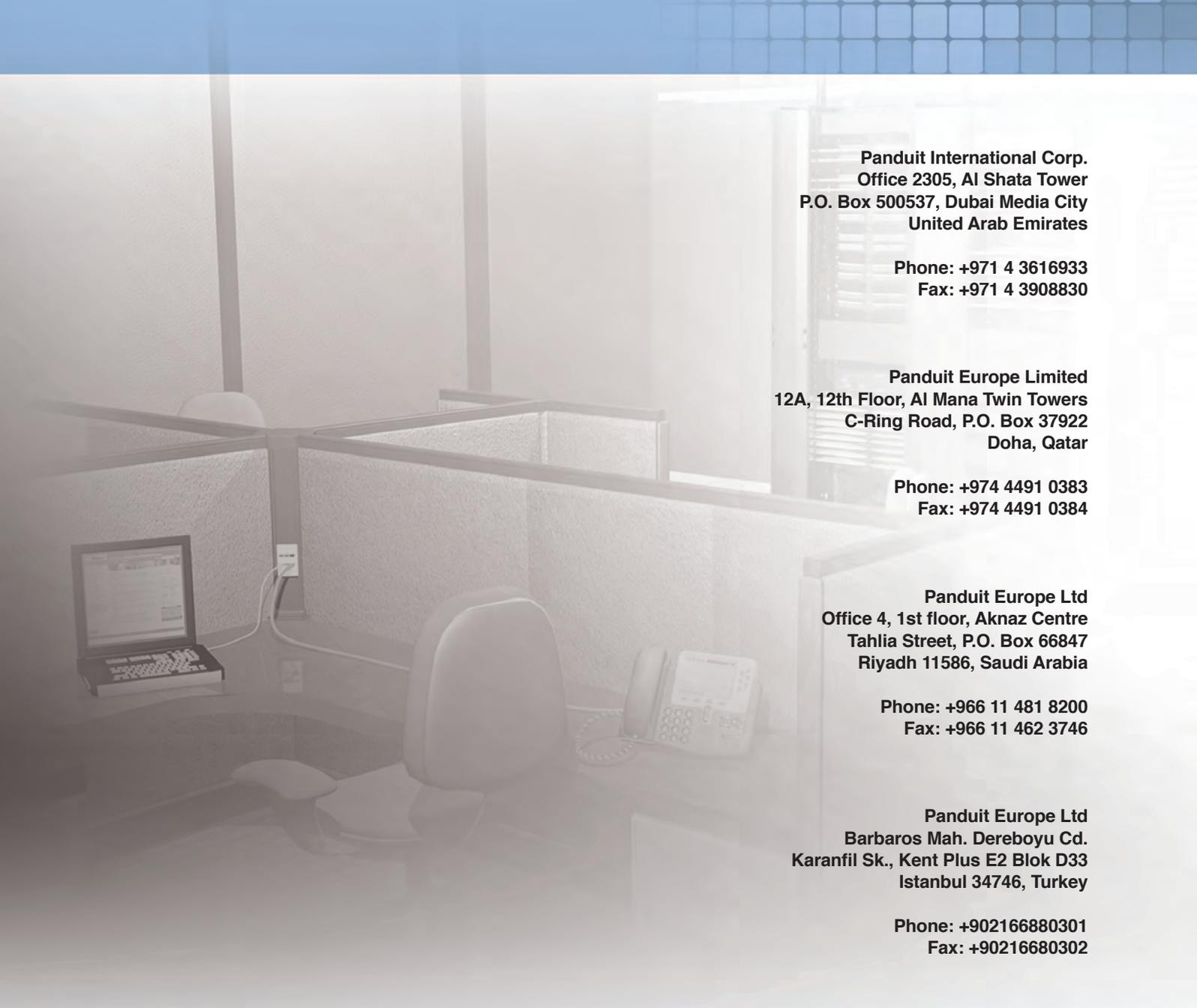- Cabinet ships assembled, one per pallet

Technical Information

Dimensions:

600mm W (23.6") x 1000mm D (39.4") x 2045mm H (80.5")
600mm W (23.6") x 1000mm D (39.4") x 2178mm H (85.8")
600mm W (23.6") x 1200mm D (47.3") x 2045mm H (80.5")
600mm W (23.6") x 1200mm D (47.3") x 2178mm H (85.8")
800mm W (31.5") x 1000mm D (39.4") x 2045mm H (80.5")
800mm W (31.5") x 1000mm D (39.4") x 2178mm H (85.8")
800mm W (31.5") x 1200mm D (47.3") x 2045mm H (80.5")
800mm W (31.5") x 1200mm D (47.3") x 2178mm H (85.8")

Net-Verse™ Cabinets

		800mm Width	600mm Width	
With Side Panels	42 RU	DN8212B	DN6212B	1000mm Depth
	45 RU	DN8512B	DN6512B	
	42 RU	DN8222B	DN6222B	1200mm Depth
	45 RU	DN8522B	DN6522B	
Without Side Panels	42 RU	DN8219B	DN6219B	1000mm Depth
	45 RU	DN8519B	DN6519B	
	42 RU	DN8229B	DN6229B	1200mm Depth
	45 RU	DN8529B	DN6529B	

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