Labeling and Identification Solutions

ULTIMATE ID

TIA/EIA-606-A Labeling Compliance

Featuring the Ultimate ID® Network Labeling System

Unified Physical Infrastructure

PANDUIT®

building a smarter, unified business foundation

Connect. Manage. Automate.

PANDUIT®

TIA/EIA-606-A
Labeling Compliance

TIA/EIA-606-A Standard

For compliance with the TIA/EIA-606-A standard, Panduit has the solution. This brochure will walk you through the labeling requirements of the standard and introduce you to identification solutions specifically designed to comply with TIA/EIA-606-A. The standard establishes guidelines for owners, end users, manufacturers, consultants, contractors, designers, installers and facility administrators involved in the administration of the telecommunications infrastructure. Proper identification of your network allows moves, adds, changes, trouble shooting and repairs to be accomplished faster and more efficiently.

The Ultimate ID® Network Labeling System

The Ultimate ID® Network Labeling System featured in this brochure was designed specifically with the TIA/EIA-606-A standard in mind. It includes faceplates, surface mount boxes, patch panels, marker ties, labels for desktop printers and the PanTher™ LS8E Hand-Held Thermal Transfer Printer. All Ultimate ID® hardware uses labels with a common compact height. This not only enhances the appearance of the installation, but also saves time and money by providing a clear and efficient way to label according to the TIA/EIA-606-A standard. All labels are positioned adjacent to, centered and parallel to the module they are identifying. The appearance of the installation can be further enhanced by using a consistent font size throughout the installation. The PanTher™ LS8E Printer and Panduit desktop labeling software can both be used to mechanically print labels with the same font.

For detailed information on related Panduit identification products, you may request the following information from our customer service representatives or by downloading from the Panduit web site:

- Panduit Physical Infrastructure Systems Catalog
- PanTher™ LS8E Hand-Held Thermal Transfer Printer: Product Bulletin
- TDP43MY Thermal Transfer Printer: Product Bulletin
- Easy-Mark™ Labeling Software: Product Bulletin

ULTIMATE ID

Products that are a part of the Ultimate ID® Network Labeling System are identified with this icon.

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Horizontal Link Identification – Work Area Outlets

Section 5.1.2 States

A horizontal link identifier, unique within the building, shall be assigned to each horizontal link and to its elements. In the work area, each individual telecommunications outlet/connector shall be labeled with the horizontal link identifier. The labeling shall appear on the connector, faceplate, or MUTOA, in a way that clearly identifies the individual connector associated with the particular identifier. A horizontal link identifier shall have a format of **"fs-an"** where:

f = numeric character(s) identifying the floor of the building occupied by the TS (Telecommunications Space)

s = alpha character(s) uniquely identifying the TS on floor f, or the building area in which the space is located

a = one to two alpha characters uniquely identifying a single patch panel or a group of patch panels with sequentially numbered ports, an IDC connector, or a group of IDC connectors, serving as part of the horizontal cross-connect

n = two to four numeric characters designating the port on a patch panel in the TS or the section of an IDC connector on which, a four pair horizontal cable is terminated in the TS

For example:

"1A-B02" = origination point first floor, TS A, patch panel B, position 02

Each Ultimate ID® Faceplate/Surface Mount Box is designed in a way that allows you to center the "an" identifier clearly over each connector, while the "fs" identifier can be placed in the station space.

Desktop Laser/Ink Jet Labels

ULTIMATE ID

Part Number	Part Description	Width In.	Width mm	Height In.	Height mm	Std. Pkg. Qty.	Std. Ctn. Qty.
UILJ1	White, non-adhesive polyester labels, 264 per sheet, 1-port labels.	.680	17.27	.236	6.00	5	50
UILJ2	White, non-adhesive polyester labels, 132 per sheet, 2-port labels.	1.315	33.40	.236	6.00	5	50
UILJ3	White, non-adhesive polyester labels, 99 per sheet, 3-port labels.	1.950	49.53	.236	6.00	5	50
UILJ4	White, non-adhesive polyester labels, 66 per sheet, 4-port labels.	2.585	65.66	.236	6.00	5	50
UILJ6	White, non-adhesive polyester labels, 66 per sheet, 6-port labels.	3.855	97.92	.236	6.00	5	50
UILJCOMBO	White, non-adhesive polyester labels, combination sheet with 40 1-port, 60 2-port, 3 3-port and 24 4-port labels.	—	—	.236	6.00	5	50

Order number of sheets required in multiples of Standard Package Quantity.
For Electrical Ivory labels, add EI at end of part number.
For detailed information on Ultimate ID® Patch Panels and Labeling Solutions, request the Panduit® Physical Infrastructure Systems catalog, SA-NCCB51.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

ULTIMATE ID

Part Number	Part Description	Height In.	Height mm	Length Ft.	Length m	Std. Pkg. Qty.	Std. Ctn. Qty.
UILS8BW	White, non-adhesive polyester label cassette.	.236	6.0	25.0	7.6	1	10

Order number of cassettes required.

Mini-Com® Ultimate ID® Faceplates

- Ultimate ID® components are part of a complete system for identification designed to efficiently support TIA/EIA-606-A standard labeling requirements
- Accept Mini-Com® Modules for STP and UTP, fiber optic and audio/video, which snap in and out for easy moves, adds, and changes
- Supplied with color coordinated screw cover and clear station and port label covers
- Labels sold separately
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printers
- Non-adhesive computer printable label sheets for desktop printers and write-on labels available
- Replacement screw covers and label covers available
- Optional icons available

Mini-Com® Ultimate ID® Classic Series Faceplates

UICFP2IW

UICFP6IW

UICFPH4IW

Part Number	Part Description	Color‡	Labels Required*	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFP2IW	Single gang, vertical faceplate holds up to two Mini-Com® Modules.	Off White	One 1-Port One 2-Port	1	10
UICFP4IW	Single gang, vertical faceplate holds up to four Mini-Com® Modules.	Off White	One 1-Port Two 2-Port	1	10
UICFP6IW	Single gang, vertical faceplate holds up to six Mini-Com® Modules. Requires minimum 1.9" wide in-wall box or wallboard adapter for proper installation.	Off White	One 1-Port Two 3-Port	1	10
UICFPH2IW	Single gang, horizontal faceplate holds up to two Mini-Com® Modules.	Off White	One 1-Port One 2-Port	1	10
UICFPH4IW	Single gang, horizontal faceplate holds up to four Mini-Com® Modules.	Off White	One 1-Port One 4-Port	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).
All faceplates supplied with mounting screws.

Mini-Com® Ultimate ID® Executive Series Faceplates

UICFPSE4IW

UICFPSE8IW-2G

UICFPHSE2IW

Part Number	Part Description	Color‡	Labels Required*	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFPSE2IW	Single gang, vertical sloped faceplate holds up to two Mini-Com® Modules.	Off White	One 1-Port One 2-Port	1	10
UICFPSE4IW	Single gang, vertical sloped faceplate holds up to four Mini-Com® Modules.	Off White	One 1-Port Two 2-Port	1	10
UICFPSE6IW	Single gang, vertical sloped faceplate holds up to six Mini-Com® Modules. Requires minimum 1.9" wide in-wall box or wallboard adapter for proper installation.	Off White	One 1-Port Two 3-Port	1	10
UICFPSE8IW-2G	Double gang, vertical faceplate holds up to eight Mini-Com® Modules.	Off White	Four 4-Port	1	10
UICFPHSE2IW	Single gang, horizontal sloped faceplate holds up to two Mini-Com® Modules.	Off White	One 1-Port One 2-Port	1	10
UICFPHSE4IW	Single gang, horizontal sloped faceplate holds up to four Mini-Com® Modules.	Off White	One 1-Port One 4-Port	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).
All faceplates supplied with mounting screws.

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Mini-Com® Ultimate ID® Stainless Steel Faceplates

- Impact resistant 304 stainless steel suitable for light industrial environments

UICFP6S

Part Number	Part Description	Labels Required*	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFP2S	Single gang, vertical stainless steel faceplate holds up to two Mini-Com® Modules.	One 1-Port One 2-Port	1	10
UICFP4S	Single gang, vertical stainless steel faceplate holds up to four Mini-Com® Modules.	One 1-Port Two 2-Port	1	10
UICFP6S	Single gang, vertical stainless steel faceplate holds up to six Mini-Com® Modules. Requires minimum 1.9" wide in wall box or wallboard adapter for proper installation.	One 1-Port Two 3-Port	1	10

All faceplate supplied with mounting screws.

Mini-Com® Ultimate ID® Tamper Resistant Faceplate Kit

- Includes tamper resistant screw to prevent unauthorized access to the connections
- Front accessible inserts are recessed and provide a 30° slope to provide proper bend radius control
- Requires minimum in-wall box depth of 2.125"

Part Number	Part Description	Color‡	Labels Required*	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFPRTR4IW	Tamper resistant faceplate kit includes faceplate frame, two recessed modular inserts, faceplate cover with additional outlet station identifier and tamper resistant screw. Holds up to four Mini-Com® Modules.	Off White	One 1-Port Two 2-Port	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).
All faceplates supplied with mounting screws.
1/16" hex key required for installation of tamper resistant screw.

Mini-Com® Ultimate ID® Modular Furniture Faceplate

- Fits standard furniture openings

Part Number	Part Description	Color‡	Labels Required*	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFFP4BL	Faceplate snaps into standard knockouts found on modular furniture. Holds up to four Mini-Com® Modules. See panel cutout requirement.	Black	One 1-Port One 4-Port	1	10

‡For other colors replace suffix BL (Black) with EI (Electric Ivory), IG (International Gray), or IW (Off White).

Panel Cutout Requirement

Mini-Com® Ultimate ID® Sloped Snap-On Faceplates

- Sloped Snap-On Faceplates for use with Panduit® Mini-Com® Modules and T-70, Twin-70, Pan-Pole™ Outlet Pole and Fast-Snap™ Outlet Boxes.
- For use with Panduit raceway: LD, T-45, T-70, Twin-70, TG-70, Pan-Pole™ Outlet Pole and Fast-Snap™ Outlet Boxes
- Snap into raceway channel or outlet box and requires no additional mounting hardware or adapters – greatly reducing installation time
- Meet stringent UL5A standard for non-metallic raceways
- Accept Mini-Com® Modules for STP and UTP, fiber optic and audio/video, which snap in and out for easy moves, adds, and changes
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printers
- Non-adhesive computer printable label sheets for desktop printers and write-on labels available.
- Supplied with clear station and port label covers, labels sold separately
- Replacement label covers available
- Optional icons available
- Ultimate ID® Components are part of a complete system for identification designed to efficiently support TIA/EIA-606-A standard labeling requirements

ULTIMATE ID

UIT70FH2

UIT70FH4

UIT70FV2

UIT70FV4

Part Number	Part Description	Labels Required*	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
UIT70FH2IW	Single gang, horizontal sloped communication snap-on faceplate accepts up to two Mini-Com® Modules.	One 1-Port One 2-Port	Off White	1	10
UIT70FH4IW	Single gang, horizontal sloped communication snap-on faceplate accepts up to four Mini-Com® Modules.	One 1-Port One 4-Port	Off White	1	10
UIT70FV2IW	Single gang, vertical sloped communication snap-on faceplate accepts up to two Mini-Com® Modules.	One 1-Port One 2-Port	Off White	1	10
UIT70FV4IW	Single gang, vertical sloped communication snap-on faceplate accepts up to four Mini-Com® Modules.	One 1-Port Two 2-Port	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).

Mini-Com® Ultimate ID® Surface Mount Boxes

- Ultimate ID® Components are part of a complete system for identification designed to efficiently support TIA/EIA-606-A standard labeling requirements
- Accept Mini-Com® Modules for STP and UTP, fiber optic and audio/video, which snap in and out for easy moves, adds, and changes
- Supplied with color coordinated screw cover and clear station and port label covers
- Can be clearly identified with PanTher™ LS8E Hand-Held Thermal Transfer Printer
- 4-port box includes adjustable mounting tabs that enable a range of modular furniture partitions to be used for mounting the box, maximum panel thickness .08"
- Non-adhesive computer printable label sheets for desktop printers and write-on labels available
- Replacement screw covers and label covers available
- Optional Icons available
- Custom mounting screws included
- Mount easily with supplied mounting screws, adhesive tape or optional magnet
- Labels sold separately

ULTIMATE ID

UICBX2IW-A

UICBX4IW-A

Part Number	Part Description	Color‡	Labels Required*	Used with Pan-Way® Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
UICBX2IW-A	Surface mount box accepts two Mini-Com® Modules. Dimensions: 1.06"H x 1.95"W x 3.65"L (26.92mm H x 49.53mm W x 92.71mm L). Compatible with optional magnet (CBM-X).	Off White	One 1-Port One 2-Port	LD3	1	10
UICBX4IW-A	Surface mount box accepts four Mini-Com® Modules. Dimensions: 1.06"H x 3.69"W x 4.59"L (26.92mm H x 93.73mm W x 116.59mm L). Compatible with optional magnet (CSBM-X).	Off White	One 1-Port One 4-Port	LD3, LD5	1	10

‡For other colors replace suffix IW (Off White) with IG (International Gray), WH (White) or EI (Electric Ivory).

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Mini-Com® Ultimate ID® Hybrid Surface Mount Box

- A retention block snaps to the base and accepts any single gang faceplate (up to six ports)
- Hybrid design accepts Mini-Com® Copper and Fiber Optic Modules
- Manages up to 12m of buffered fiber optic cable that is secured in place by cable tie mounting loops
- Cover snaps to base and is secured with a screw; includes a 6-position Ultimate ID® Label Pocket to identify fiber optic connections; a clear screw cover is included for station identification
- Optional cover extension provides additional security of fiber connections
- Heat shrink tubing included

UICBXH6IW-A

UICBXHECIW

Part Number	Part Description	Color‡	Labels Required	Used with Pan-Way® Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
UICBXH6IW-A	Hybrid box with cover accepts up to six Mini-Com® Modules in a single gang Mini-Com® Faceplate, and up to six Mini-Com® Fiber Optic Modules in the base.	Off White	One 1-Port One 6-Port	LD3, LD5	1	10
UICBXHC6IW-A	Hybrid box with cover and cover extension accepts up to six Mini-Com® Modules in a single gang Mini-Com® Faceplate, and up to six Mini-Com® Fiber Optic Modules in the base.	Off White	One 1-Port One 6-Port	LD3, LD5	1	10
UICBXHECIW	Cover extension for hybrid box.	Off White	—	—	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).

Mini-Com® Ultimate ID® Multi-Media/Fiber Surface Mount Box

- Features twelve ports, six on each side, angled to improve bend radius control
- Includes two knockouts which are compatible with Panduit LD5 and LD10 Raceway
- Mounts easily with supplied mounting screw, adhesive tape or optional magnet

Part Number	Part Description	Color ‡	Labels Required	Std. Pkg. Qty.*	Std. Ctn. Qty.
UICBXA12IW-A	Multi-media surface mount box accepts up to twelve Mini-Com® Modules and includes built-in figure eight spool to help manage fiber cable.	Off White	Two 4-Port Two 6-Port	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).

Section 5.1.2 States

A horizontal link identifier, unique within the building, shall be assigned to each horizontal link and to its elements. In the Telecommunications Space (TS), each patch panel port shall be labeled with the **"an"** portion of the identifier. This requirement may be met by labeling a patch panel with the **"a"** portion of the identifier, and each port with the **"n"** portion where:

a = one to two alpha characters uniquely identifying a single patch panel, or a group of patch panels with sequentially numbered ports

n = two to four numeric characters designating the port on a patch panel in the TS

For example:

"A12" = patch panel A, position 12

The Mini-Com® Ultimate ID® Patch Panel and Labeling System allows you to center the "an" identifier over each port.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
UILJ4	White, non-adhesive polyester labels, 66 per sheet, 4-port labels.	2.585	65.66	.236	6.00	5	50

Order number of sheets required in multiples of Standard Package Quantity
For detailed information on Ultimate ID® Patch Panels and Labeling Solutions, request the Physical Infrastructure Systems catalog, SA-NCCB51.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
UILS8BW	White, non-adhesive polyester label cassette.	.236	6.0	25.0	7.6	1	10

Order number of cassettes required.

Mini-Com® Ultimate ID® Modular Patch Panels

- Ultimate ID® components are part of a complete system for identification designed to efficiently support TIA/EIA-606-A standard labeling requirements
- Mount to standard EIA 19" racks
- Accept Mini-Com® Modules for UTP, fiber optic and audio/video, which snap in and out for easy moves, adds, and changes
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printers
- Non-adhesive computer printable label sheets for desktop printers and write-on labels available
- Replacement label covers available
- Labels sold separately
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers

UICMPPA24BLY

UICMPPA48BLY

UICMPP24BLY

UICMPP48BLY

Part Number	Part Description	No. of Rack Spaces^	Labels Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® Ultimate ID® Angled Modular Patch Panels					
UICMPPA24BLY	24-port angled patch panel with six UICPPL4BL Mini-Com® Ultimate ID® Faceplates.	1	Six 4-Port	1	10
UICMPPA48BLY	48-port angled patch panel with twelve UICPPL4BL Mini-Com® Ultimate ID® Faceplates.	2	Twelve 4-Port	1	10
Mini-Com® Ultimate ID® Modular Patch Panels					
UICMPP24BLY	24-port patch panel with six UICPPL4BL Mini-Com® Ultimate ID® Faceplates.	1	Six 4-Port	1	10
UICMPP48BLY	48-port patch panel with twelve UICPPL4BL Mini-Com® Ultimate ID® Faceplates.	2	Twelve 4-Port	1	10

^One rack space = 1.75" (44.45mm).
Includes #12-24 and metric M6 screws to mount the patch panel to the rack.

Mini-Com® Ultimate ID® Replacement Patch Panel Faceplates

UICPP2L4BL

UICPPL4BL

Part Number	Part Description	Labels Required	Std. Pkg. Qty.	Std. Ctn. Qty.
UICPP2L4BL	Patch panel faceplate with two label pockets, accepts up to four Mini-Com® Modules.	Two 4-Port	1	10
UICPPL4BL	Patch panel faceplate with one label pocket, accepts up to four Mini-Com® Modules.	One 4-Port	1	10

Faceplates shown with labels installed; labels sold separately.

Mini-Com® Ultimate ID® TX6™ PLUS Modular Patch Panel Kits

- Supplied with black Mini-Com® TX6™ PLUS Jack Modules
- Include color coded termination caps
- Front access faceplates in panels
- Labels sold separately
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printers

UICMPPKA6G24BL

UICMPPK6G24BL

Part Number	Part Description	Labels Required	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® Ultimate ID® Angled Modular Patch Panel Kits					
UICMPPKA6G24BL	24-port UICMPPA24BL angled patch panel with 24 CJ688TGBL Jack Modules.	Six 4-Port	1	1	10
Mini-Com® Ultimate ID® Modular Patch Panel Kits					
UICMPPK6G24BL	24-port UICMPP24BL patch panel with 24 CJ688TGBL Jack Modules.	Six 4-Port	1	1	10

^One rack space = 1.75" (44.45mm).
Includes #12-24 and metric M6 screws to mount the patch panel to the rack.

Horizontal Link Identification – Cables

Section 5.1.2 States

A horizontal link identifier, unique within the building, shall be assigned to each horizontal link and to its elements. Each end of a horizontal cable shall be labeled within 300mm (12 inches) of the end of the cable jacket with the horizontal link identifier, which shall be visible on the exposed part of the cable jacket. This shall include each cable in the Telecommunications Space (TS), at the work area, and at a Consolidation Point (CP), if present. A horizontal link identifier shall have a format of **"fs-an"** where:

- f = numeric character(s) identifying the floor of the building occupied by the TS
- s = alpha character(s) uniquely identifying the TS on floor f, or the building area in which the space is located
- a = one to two alpha characters uniquely identifying a single patch panel or a group of patch panels with sequentially numbered ports, an IDC connector or a group of IDC connectors serving as part of the horizontal cross-connect
- n = two to four numeric characters designating the port on a patch panel in the TS or the section of an IDC Connector on which a four pair horizontal cable is terminated in the TS

For example:

"1A-B01" = cable origination point first floor, TS A, patch panel B, position 01

Ultimate ID® Label and Marker Tie

Self-Laminating Label S100X150YAJ

Self-Laminating Label and Sleeve S100X160YAJ NWSLC-3Y

Section 6.1.1 States

A unique building backbone cable identifier shall be assigned to each backbone cable between two TS's in one building and it shall have a format of **"fs_1/fs_2-n"** where:

- fs_1 = TS identifier for the space containing the termination of one end of the backbone cable
- fs_2 = TS identifier for the space containing the termination of the other end of the backbone cable
- n = one to two alphanumeric characters identifying a single cable with one end terminated in the TS designated fs_1 and the other end terminated in the TS designated fs_2

In this format, the TS with the lesser alphanumeric identifier shall be listed first. If the entire cable is within one TS, the format may be fs_1/fs_1-n. All building backbone cable identifiers in a single infrastructure should have the same format where possible. The backbone cable identifier shall be marked on each end of the backbone cable within 300mm (12 inches) of the end of the cable jacket.

For example:

"1A/2A-1" = TS A on first floor to TS A on second floor, cable 1

UILJ2 Label and UIHL12-X0 or UIHL22X0 Marker Tie

Panduit labels for laser/ink jet printers and hand-held thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Ultimate ID® Network Labeling System

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
UILJ2	White, non-adhesive polyester labels, 132 per sheet, 2-port labels.	1.315	33.40	.236	6.00	5	50

Order number of sheets required in multiples of Standard Package Quantity
For Electrical Ivory labels, add EI at end of part number.
For detailed information on Ultimate ID® Patch Panels and Labeling Solutions, request the Physical Infrastructure Systems catalog, SA-NCCB51.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
UILS8BW	White, non-adhesive polyester label cassette.	.236	6.0	25.0	7.6	1	10

Order number of cassettes required.

Marker Ties

Part Number	Tie Length (In.)	Max. Bundle Diameter (In.)	Min. Loop Tensile Strength (Lbs.)*	Material	Std. Pkg. Qty.**	Std. Ctn. Qty.
UICBM1M-C	4.4	1.00	18	Nylon 6.6	100	1000
UIHL12-X0	5.6	1.00	15	Hook and loop	10	100
UIHL22-X0	5.6	1.00	15/tie	Hook and loop	10	100

*Minimum 2" overlap required to achieve loop tensile rating on UIHL (Hook and Loop) parts. Marker ties shown include labels installed, labels sold separately.
**Order number of pieces required, in multiples of Standard Package Quantity

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Network Labeling System

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable Diameter		Max. Cable Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X150YAJ	White print-on area, polyester label.	1.00	25.40	1.50	38.10	.50	12.70	.16	4.04	.32	8.09	2500	10000
S100X160YAJ^	White print-on area, polyester label.	1.00	25.40	1.60	40.64	.80	20.32	.25	6.35	.25	6.35	2500	10000
S100X220YAJ+	White print-on area, polyester label.	1.00	25.40	2.20	55.88	1.10	27.94	.35	8.89	.35	8.89	1000	5000

Order number of labels required in multiples of Standard Package Quantity.
^Use this label with NWSLC-2Y LabelCore™ Sleeve to identify 2mm fiber, and with NWSLC-3Y LabelCore™ Sleeve to identify 3mm fiber.
+Use this label with NWSLC-7Y LabelCore™ Sleeve to identify 3mm duplex fiber.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable Diameter		Max. Cable Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X150VATY^	White print-on area, vinyl label.	1.00	25.40	1.50	38.10	.50	12.70	.16	4.04	.32	8.09	5000	20000
S100X225VATY+	White print-on area, vinyl label.	1.00	25.40	2.25	57.15	.75	19.05	.24	6.06	.48	12.13	5000	20000

Order number of labels required in multiples of Standard Package Quantity.
^Use this label with NWSLC-2Y LabelCore™ Sleeve to identify 2mm fiber, and with NWSLC-3Y LabelCore™ Sleeve to identify 3mm fiber.
+Use this label with NWSLC-7Y LabelCore™ Sleeve to identify 3mm duplex fiber.

PanTher™ LS8E Hand-Held Thermal Transfer Labels

Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable Diameter		Max. Cable Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X150VAC	White print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	.50	12.70	.16	4.04	.32	8.09	1	10
S100X160VAC^	White print-on area, vinyl label 175/cassette. For use with LabelCore™ Sleeves NWSLC-2Y and NWSLC-3Y.	1.00	25.40	1.60	40.64	.80	20.32	.25	6.35	.25	6.35	1	10
S100X220VAC+	White print-on area, vinyl label for 8 – 4 wires, 125/cassette. For use with NWSLC-7Y.	1.00	25.40	2.20	55.88	.80	27.94	.48	12.19	.48	12.19	1	10

Order number of labels required in multiples of Std. Pkg. Qty.
^Use this label with NWSLC-2Y LabelCore™ Sleeve to identify 2mm fiber, and with NWSLC-3Y LabelCore™ Sleeve to identify 3mm fiber.
+Use this label with NWSLC-7Y LabelCore™ Sleeve to identify 3mm duplex fiber.

LabelCore™ Fiber Optic Cable Identification System

Apply LabelCore™ Sleeve to cable

Wrap label around LabelCore™ Sleeve

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NWSLC-2Y	Yellow, cable identification sleeve for 2mm simplex fiber cable.	100	1000
NWSLC-3Y	Orange, cable identification sleeve for 3mm simplex fiber cable.	100	1000
NWSLC-7Y	White, cable identification sleeve for 3mm duplex fiber cable.	100	1000

Order number of sleeves required in multiple of Standard Package Quantity.
Locate on straight section of cable at least two inches from fiber boot.

Telecommunications Space Identification

Section 5.1.1 States
A Telecommunications Space (TS) identifier, unique within the building, shall be assigned to the TS and it shall have the format **"fs"**, where:

f = numeric character(s) identifying the floor of the building occupied by the TS
s = alpha character(s) uniquely identifying the TS on floor f, or the building area in which the space is located

For buildings with non-numeric floors, alpha-numeric characters may be used in the "f" format and shall be consistent with the floor naming convention used within the building. The TS shall be labeled with the TS identifier inside the room so as to be visible to someone working in that room.

For example:
"1A" = first floor, TS A

Panduit labels for laser/ink jet and thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100FJJ	White, polyolefin label.	2.00	50.80	1.00	25.40	1000	5000

Order number of labels required in multiples of Standard Package Quantity.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In	mm	In	mm		
C200X100YPT	White, polyester label.	2.00	50.8	1.00	25.4	2500	10000

Order number of labels required in multiples of Standard Package Quantity.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100YPC	White, high tack polyester label, 200/cassette.	2.00	50.8	1.00	25.4	1	10

Order number of cassettes required.

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Telecommunications (Main) Grounding Busbar Identification

Section 5.1.3 States

The Telecommunications Main Grounding Busbar (TMGB) identifier is used to identify the single TMGB present in a building. The TMGB shall be labeled with the TMGB identifier. The format for the TMGB identifier shall be **"fs-TMGB"**, where:

fs = TS (Telecommunications Space) identifier for the space containing the TMGB
TMGB = portion of an identifier designating a Telecommunications Main Grounding Busbar

For example:
"1A-TMGB" = first floor, TS A,
Telecommunications Main Grounding Busbar

Section 5.1.4 States

A Telecommunications Grounding Busbar (TGB) identifier is used to identify TGBs in the grounding and
bonding system. Each TGB shall be labeled with the TGB identifier. A unique TGB identifier shall be assigned to each TGB and the format for the TGB identifier shall be **"fs-TGB"**, where:

fs = TS identifier for the space containing the TGB
TGB = portion of an identifier designating a Telecommunications Grounding Busbar

All of the TGB identifiers in a single infrastructure should have the same format where possible.

For example:
"1A-TGB" = first floor, TS A,
Telecommunications Grounding Busbar

Panduit labels for laser/ink jet and thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100FJJ	White, polyolefin label.	2.00	50.80	1.00	25.40	1000	5000

Order number of labels required in multiples of Standard Package Quantity.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In	mm	In	mm		
C200X100YPT	White, polyester label.	2.00	50.8	1.00	25.4	2500	10000

Order number of labels required in multiples of Standard Package Quantity.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100YPC	White, high tack polyester label, 200/cassette.	2.00	50.8	1.00	25.4	1	10

Order number of cassettes required.

Horizontal Link Identification – IDC Punchdown Block

Section 5.1.2 States

A horizontal link identifier, unique within the building, shall be assigned to each horizontal link and to its elements. In the TS (Telecommunications Space), each section of an IDC connector (punchdown block) terminating a four pair cable shall be labeled with the **"an"** portion of the identifier. This requirement may be met by labeling an IDC connector or group of IDC connectors with the "a" portion of the identifier, and the section of an IDC connector terminating a four pair cable labeled with the "n" portion where:

a = one to two alpha characters uniquely identifying an IDC connector, or a group of IDC connectors, serving as part of the horizontal cross-connect

n = two to four numeric characters designating the section of an IDC connector on which a four pair horizontal cable is terminated

For example:

"B04" = IDC block B, position 04

Panduit labels for laser/ink jet and thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C750X050Y1J	White, non-adhesive polyester label, 110 block identifier.	7.50	190.50	.50	12.70	500	2500

Order number of labels required in multiples of Standard Package Quantity.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C750X050Y1T	White, non-adhesive polyester label, 110 block.	7.50	190.50	.50	12.70	1	10

Order number of labels required in multiples of Standard Package Quantity.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C750X050Y1C	White, non-adhesive polyester label, 30/cassette, 110 block identifier.	7.50	190.50	.50	12.70	1	10

Order number of cassettes required.

PANDUIT®

Firestopping Location Identification

Section 6.1.3 States
A Firestopping Location (FSL) identifier shall identify each installation of firestopping material.
The format for the firestopping location identifier shall be **"f-FSLn(h)"**, where:

f = numeric character(s) identifying the floor of the building occupied by the TS (Telecommunications Space)
FSL = an identifier referring to a Firestopping Location
n = two to four numeric characters identifying one firestopping location
h = one numeric character specifying the hour rating of the firestopping system

All firestopping location identifiers in a single infrastructure should have the same format where possible.

Each firestopping location shall be labeled at each location where firestopping is installed, on each side of the penetrated fire barrier, within 300mm (12 in.) of the firestopping material.

For example:
"1-FSL01(2)" = first floor, Firestopping Location number 01, two hour rating

Panduit labels for laser/ink jet and thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100FJJ	White, polyolefin label.	2.00	50.80	1.00	25.40	1000	5000

Order number of labels required in multiples of Standard Package Quantity.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In	mm	In	mm		
C200X100YPT	White, polyester label.	2.00	50.8	1.00	25.4	2500	10000

Order number of labels required in multiples of Standard Package Quantity.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C200X100YPC	White, high tack polyester label, 200/cassette.	2.00	50.8	1.00	25.4	1	10

Order number of cassettes required.

Horizontal Link Identification – Connectors

Section 5.1.2 States

A horizontal link identifier, unique within the building, shall be assigned to each horizontal link and to its elements. In the work area, each individual telecommunications outlet/connector shall be labeled with the horizontal link identifier. The labeling shall appear on the connector, faceplate, or MUTOA, in a way that clearly identifies the individual connector associated with the particular identifier. A horizontal link identifier shall have a format of **"fs-an"** where:

f = numeric character(s) identifying the floor of the building occupied by the TS (Telecommunications Space)
s = alpha character(s) uniquely identifying the TS on floor f, or the building area in which the space is located
a = one to two alpha characters uniquely identifying a single patch panel or a group of patch panels with sequentially numbered ports, an IDC connector or a group of IDC connectors, serving as part of the horizontal cross-connect
n = two to four numeric characters designating the port on a patch panel in the TS or the section of an IDC connector on which a four pair horizontal cable is terminated in the TS

For example:
"1A-B01" = origination point first floor,
TS A, patch panel B, position 01

Panduit labels for laser/ink jet and thermal transfer printers can be generated by a mechanical device and are made of durable polymer construction that will withstand the effects of moisture, heat, and time.

Desktop Laser/Ink Jet Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C138X019FJJ	White, polyolefin label, Mini-Com® Module identifier.	1.38	35.05	.19	4.83	2500	12500

Order number of labels required in multiples of Standard Package Quantity.

TDP43MY Desktop Thermal Transfer Labels

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C138X019YPT	White, polyester label, Mini-Com® Module identifier.	1.38	35.05	.19	4.83	2500	10000

Order number of labels required in multiples of Standard Package Quantity.

PanTher™ LS8E Hand-Held Thermal Transfer Printer Label Cassette

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C138X019FJC	White, polyolefin label, 200/cassette, Mini-Com® Module identifier.	1.38	35.05	.19	4.83	1	10

Order number of cassettes required.

Thermal Transfer Printers

Section 10.1 States
The size, color, and contrast of all labels should be selected to ensure that the identifiers are easily read. Labels should be visible during the installation of and normal maintenance of the infrastructure. Labels should be resistant to the environmental conditions at the point of installation (such as moisture, heat, or ultraviolet light), and should have a design life equal to or greater than that of the labeled component.

Section 10.2 States
To maximize legibility, all labels shall be printed or generated by a mechanical device.

The PanTher™ LS8E Hand-Held Thermal Transfer Printer and the TDP43MY Desktop Thermal Transfer Printer mechanically generate labels that are made of durable polymer construction and will withstand the effects of moisture, heat, and time.

PanTher™ LS8E Hand-Held Thermal Transfer Printer and Accessories

- Innovative QWERTY keypad design delivers faster text entry and label design for enhanced productivity
- Cut-to-length functionality eliminates label waste and label trimming labor
- Partial cut feature available to provide tear-apart strips of labels
- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Market specific labeling tools simplify label creation for network components, panel building, and construction and maintenance
- USB interface for importing data, system upgrades, and printing from a wireless laptop or desktop computer
- Legends can be easily aligned with ports on patch panels and faceplates, eliminating the need for manual spacing and guesswork
- Prints self-laminating cable labels, continuous tapes, and die-cut labels for patch panels, faceplates, and other network applications
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Large graphic display with backlight for improved visibility

LS8EQ

LS8EQ-KIT

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
LS8EQ-KIT	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1	2
LS8EQ	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1	4
LS8E-ACS*	120 VAC power adapter for North America.	1	6
LS8-CASE	Rigid carrying case.	1	—
LS8-PCKIT	Includes USB cable and PC interface software for importing data, system upgrades, or printing from a wireless laptop or desktop computer.	1	—
LS8-IB	Protective impact bumper.	1	20
LS8-WS	Wrist strap.	1	20
LS8-CLN	LS8/LS8E cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes and cleaning instructions.	1	—

*Cannot be used to charge batteries. Other adapters available, replace S with A (Australia), C (China), E (Europe) and U (UK).
For a PanTher™ LS8E full line product bulletin, request SA-IDCB51.

TDP43MY Desktop Thermal Transfer Printer and Accessories

- Compact, lightweight design enables use in office or remote locations
- 300 dpi thermal transfer printer creates crisp, clear legends with superior legibility
- Up to 2.00" per second print speed for fast label production
- Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, heat shrink labels, marker plates and continuous tapes up to 4.00" wide
- Easy-Mark™ Labeling Software and hybrid ribbon included with printer
- Compatible with most standard PCs

TDP43MY

TDP43M-CASE

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
TDP43MY	300 dpi printer; includes printer, Panduit® Easy-Mark™ Labeling Software, RMH4BL hybrid black ribbon, AC power adapter with US and Europlug power cords, manual and quick start card.	1	—
TDP43M-RS	External label roll stand – used to rear feed labels that are supplied on 3.00" cores, such as photoluminescent tape.	1	—
TDP43M-CASE	Hardside carrying case. Accommodates printer, AC power adapter, ribbons, printer cable, labels and tools.	1	—
TDP43M-ACY	Replacement AC power adapter with power cord (US cord only).	1	—
PTR-CLN	Printer cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes and cleaning instructions.	1	—

PANDUIT®

Labeling Software

Section 10.1 States
The size, color, and contrast of all labels should be selected to ensure that the identifiers are easily read. Labels should be visible during the installation and normal maintenance of the infrastructure. Labels should be resistant to the environmental conditions at the point of installation (such as moisture, heat, or ultraviolet light), and should have a design life equal to or greater than that of the labeled component.

Section 10.2 States
To maximize legibility, all labels shall be printed or generated by a mechanical device.

Laser/Ink jet and Thermal Transfer printers mechanically generate labels made of durable polymer construction that will withstand the effects of moisture, heat and time.

Ultimate ID® Network Labeling System Software

- Ultimate ID® Network Labeling Software is included at no charge with each package of laser/inkjet labels
- Fast and easy creation of labels for Ultimate ID® Network Labeling System patch panels, faceplates, surface mount boxes and marker ties
- Create alpha and numeric serializations
- ODBC (Open Data-Base Connectivity) allows importing of information from electronic databases such as EXCEL^ and ACCESS^ directly onto the label formats
- Ultimate ID® System formats are preloaded and ready to use
- On-line help function files, including the TIA/EIA-606-A Labeling Compliance Brochure that assists in understanding the TIA/EIA-606-A standard
- Easy to install and supplied on CD-ROM
- Image library that includes commonly used symbols for fax, data, and voice
- Automatically aligns legends with ports on patch panels and faceplates
- Vertical line function enables users to separate legends
- Automatic font sizing
- Supports most WINDOWS^ printer drivers and is compatible with standard desktop laser and ink jet printers
- Ultimate ID® Software is part of a complete system for identification designed to efficiently support TIA/EIA-606-A standard labeling requirements

System Requirements:
- WINDOWS^ 95, 98, Me, 2000, NT 4.x or XP; minimum 486 processor; minimum 10 MB of RAM; 30 MB hard drive space

Easy-Mark™ Labeling Software

- Easy-Mark™ Labeling Software simplifies label creation for the specific needs of your applications
- Instructions and user interface are available in English, French, German, Italian, Spanish, Korean, Chinese and Portuguese
- Intuitive interview process allows automatic generation of compliant labels and signs
- Software selects and formats the optimum label
- **WYSIWYG** (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import
- Easy-Mark™ Labeling Software is part of a complete line of innovative identification solutions from Panduit
- Supports most WINDOWS^ fonts drivers for standard thermal transfer, dot matrix, laser and ink jet, including Panduit thermal transfer printers

System Requirements:
- WINDOWS^ 2000, XP, or Vista; 64MB hard drive space and 64MB RAM (256MB RAM recommended)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-EMCD3	Easy-Mark™ Labeling Software, supplied on CD-ROM.	1	10

Order number of software packages required.
^WINDOWS is a registered trademark of Microsoft Corp. in the United States and/or other countries.

Labeling Accessories

Ultimate ID® Write-On Labels

• Write-on labels for use in Ultimate ID® Faceplates, Surface Mount Boxes and Patch Panels

Part Number	Part Description	Width In.	Width mm	Height In.	Height mm	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
UIWOL1-L	1-port, white non-adhesive polyester write-on label.	.680	17.3	.236	5.99	White	50	250
UIWOL2-L	2-port, white non-adhesive polyester write-on label.	1.315	26.7	.236	5.99	White	50	250
UIWOL3-L	3-port, white non-adhesive polyester write-on label.	1.950	27.4	.236	5.99	White	50	250
UIWOL4-L	4-port, white non-adhesive polyester write-on label.	2.585	65.6	.236	5.99	White	50	250
UIWOL6-L	6-port, white non-adhesive polyester write-on label.	3.855	97.9	.236	5.99	White	50	250

The TIA/EIA-606-A standard states that all labels shall be mechanically generated, write-on labels are not standard compliant.

Permanent Marking Pens

• Fast drying permanent ink

• Can be used with write-on labels shown in this section

Part Number	Part Description	Ink Color	Std. Pkg. Qty.	Std. Ctn. Qty.
PFX-0	Permanent marking pen – fine tip.	Black	12	144
PFX-2	Permanent marking pen – fine tip.	Red	12	144

The TIA/EIA-606-A standard states that all labels shall be mechanically generated, write-on labels are not standard compliant.

Ultimate ID® Replacement Label Covers and Screw Covers

• Replacement label and screw covers available for use with Mini-Com® Ultimate ID® Faceplates, Patch Panels, Hook & Loop Marker Ties and Surface Mount Boxes

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
UILC1CL-X	1-port label or screw cover.	Clear	10	100
UILC2CL-X	2-port label cover.	Clear	10	100
UILC3CL-X	3-port label cover.	Clear	10	100
UILC4CL-X	4-port label cover.	Clear	10	100
UILC6CL-X	6-port label cover.	Clear	10	100

‡For other colors replace CL (Clear) with appropriate color designation to match Ultimate ID® component.

Ultimate ID® Icons

• Provides port identification of data and voice applications

• Snaps into Mini-Com® Ultimate ID® Faceplates, Patch Panels and Surface Mount Boxes

Part Number	Part Description	Color‡	Std. Pkg. Qty.*	Std. Ctn. Qty.
UICIDIW-C	Plastic snap-in icon with data image.	Off White	100	1000
UICIPIW-C	Plastic snap-in icon with phone image.	Off White	100	1000

‡For colors other than Off White, replace IW suffix at end of part number with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black), OR (Orange), RD (RED), BU (Blue), GR (Green), YL (Yellow) or VL (Violet).
Ultimate ID® Icons are not TIA/EIA-606-A standard compliant.

TIA/EIA-606-A Description Summary

The TIA/EIA-606-A standard establishes guidelines for owners, end users, manufacturers, consultants, contractors, designers, installers and facilities administrators involved in the administration of the telecommunications infrastructure.

Four classes of administration are specified in the standard, to accommodate diverse degrees of complexity present in the telecommunications infrastructure. The specifications for each class include requirements for identifiers, records, and labeling.

Class 1

addresses the administration needs of a premise that is served by a single Telecommunications Space (TS) containing its telecommunications equipment. Required in class 1 administration are identifiers for the TS, any Telecommunications Main Grounding Busbar, and all elements of the horizontal links.

For a copper horizontal link, the elements include:
- the connecting hardware (e.g., patch panel port or the section of a punchdown block terminating a four pair horizontal cable)
- a four pair horizontal cable
- a telecommunications outlet/connector terminating a four pair horizontal cable in the work area

If a Consolidation Point (CP) is present:
- the segment of four pair horizontal cable extending from the TS to the CP connecting hardware
- the CP connecting hardware or section of a punchdown block terminating a 4-pair horizontal cable
- the segment of 4-pair horizontal cable extending from the CP connecting hardware to the outlet/connector of a Multi-User Telecommunications Outlet Assembly (MUTOA) or to the work area outlet

If a MUTOA is present:
- a telecommunications outlet/connector in the MUTOA

For an optical fiber horizontal link, the elements include:
- a pair of optical fiber terminations on a patch panel in the TS
- a pair of optical fibers in a cable
- a pair of optical fiber terminations in the work area
- a telecommunications outlet/connector terminating a pair of optical fibers in the work area

If a Consolidation Point (CP) is present:
- the segment of optical fiber cable extending from the TS to the CP connecting hardware
- the CP connecting hardware or section terminating a pair of optical fibers
- the segment of optical fiber cable extending from the CP connecting hardware to the outlet/connector of a MUTOA or to the work area outlet

Class 2

administration provides for telecommunications infrastructure administration needs of a single building or tenant that is served by a single or multiple TSs within a single building. Class 2 administration includes all elements of class 1 administration, plus identifiers for backbone cabling, multiple-element grounding, and bonding systems, and firestopping.

Class 3

administration addresses the needs of a campus, including its buildings and outside plant elements. Class 3 administration includes all elements of class 2 administration, plus identifiers for buildings and inter-building cabling. Administration of pathways and spaces, and of outside plant elements is recommended.

Class 4

administration addresses the needs of a multi-site system. Class 4 administration includes all elements of class 3 administration, plus an identifier for each site and optional identifiers for wide area network connections.

Panduit Identification Products can assist you with all the labeling procedures required by this standard. The size, color, and contrast of all labels should be selected to ensure that the identifiers are easily read. Labels should be visible during the installation of and normal maintenance of the infrastructure. Labels should be resistant to the environmental conditions at the point of installation (such as moisture or heat), and should have a design life equal to or greater than that of the labeled component. To maximize legibility, all labels shall be printed or generated by a mechanical device. Panduit provides everything you need to comply with the TIA/EIA-606-A standard for all of your structured cabling labeling requirements!

Horizontal Link Identifier Labeling Format

A horizontal link identifier shall have a format of *fs-an* where:

f = numeric character(s) identifying the floor of the building occupied by the Telecommunications Space (TS)

s = alpha character(s) uniquely identifying the TS on floor f, or the building area in which the space is located

a = one to two alpha characters uniquely identifying a single patch panel, a group of patch panels with sequentially numbered ports, an IDC connector or a group of IDC connectors, serving as part of the horizontal cross-connect

n = two to four numeric characters designating the port on a panel in the TS, or the section of an IDC connector on which a four pair horizontal cable is terminated in the TS

EXAMPLE – “1A-A004” = Origination Point 1st Floor, Closet A, Panel A, Position 004

Identifier	Text Clauses	Description of Identifier	Class of Administration			
			1	2	3	4
fs	5.1.1	telecommunications space	R	R	R	R
fs-an	5.1.2	horizontal link	R	R	R	R
fs-TMGB	5.1.3	telecommunications main grounding busbar	R	R	R	R
fs-TGB	5.1.4	telecommunications grounding busbar	R	R	R	R
fs_1/fs_2-*n*	6.1.1	building backbone cable		R	R	R
fs_1/fs_2-*n.d*	6.1.2	building backbone pair of optical fiber		R	R	R
f-FSL*n(h)*	6.1.3	firestop location		R	R	R
$[b_1\text{-}fs_1]/[b_2\text{-}fs_2]$-*n*	7.1.2	campus backbone cable			R	R
$[b_1\text{-}fs_1]/[b_2\text{-}fs_2]$-*n.d*	7.1.3	campus backbone pair of optical fiber			R	R
b	7.1.1	building			R	R
c	8.1.1	campus or site				R
fs-UUU.n.d(q)	annex B	intra-space pathway		O	O	O
fs_1/fs_2-*UUU.n.d(q)*	annex B	building pathway		O	O	O
c-UUU.n.d(q)	annex B	outside plant pathway			O	O
$[b_1\text{-}fs_1]/[b_2\text{-}fs_2]$-*UUU.n.d(q)*	annex B	campus pathway			O	O
$[c_1\text{-}b_1\text{-}fs_1]/[c_2\text{-}b_2\text{-}fs_2]$-*UUU.n.d(q)*	annex B	inter-campus element				O

R = required identifier for class, when corresponding element is present
O = optional identifier for class

Real-World Solutions to Ensure the Success of Our Customers

With a proven reputation for excellence and technology innovation, a robust ecosystem of global partners, and long-term alliances with top industry leaders, Panduit is a valuable, trusted partner offering strategic vision and real-world solutions to ensure the success of our customers.

Innovative Technology Leadership

Panduit is an industry leader in developing innovative technology solutions that meet the rapidly evolving needs of our customers around the world. Our commitment to continued leadership is supported by significant ongoing investment, dedicated manufacturing facilities, strategic technology alliances, and collaborative R&D with other industry leaders.

Global Business & Commitment

Panduit's ongoing commitment to excellence and our technology alliances with key industry leaders such as Cisco Systems, EMC, Emerson, IBM, etc., enables our highly skilled and knowledgeable global sales, systems engineering, and technical support teams to engage with critical customer challenges that range from initial problem determination all the way to resolution. Local specialists, trained to global standards and competencies, provide consistent regional support that brings value to local business. Our global value chain, which combines manufacturing, distribution, and service, provides prompt responses to customer-related issues, and streamlines procurement and delivery to any global destination.

Best-in-Class Partner Ecosystem

Panduit employs a consultative approach to identify customer needs and engage appropriate partners in a collaborative fashion to serve our customers. Panduit's robust ecosystem of architects, consultants, engineers, designers, systems integrators, contractors, and distributors offer a full portfolio of lifecycle services. Our partners are trained on relevant services to Plan & Design, Build & Deploy, and Maintain & Operate to deliver predictable and measurable results.

Worldwide Alliances

Panduit has established long-term strategic alliances with top global industry leaders such as Cisco Systems, EMC, HP, IBM, Liebert, and Rockwell Automation to develop and integrate innovative, holistic solutions for our customers. We continually invest in relationships and resources for solving our customers' greatest business challenges.

Eco-Sustainability & Global Citizenship

With a long-standing commitment to environmental excellence, Panduit continually develops and implements solutions designed to protect, replenish and restore the world in which we live and operate. This commitment is demonstrated by Panduit's LEED-certified new world headquarters and future green building plans using its own revolutionary Unified Physical Infrastructure℠ vision to enable convergence of critical systems for driving sustainability.

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Transform Your Physical Infrastructure. Call or visit us online, we can show you how.

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