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Refer to back cover for information regarding Panduit's complete line of structured cabling products.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

The *PAN-WAY*™ Line

The universal non-metallic surface raceway and surface mount outlet box line that accommodates communication outlets made by most manufacturers and that also accommodates all standard U.S. Electrical outlets and a number of international electrical outlets.

The method of choice for Data-Com installations!

Non-metallic surface raceway has become the method of choice for Data-Com installations because of its many advantages:

- Low installed cost
- High density of outlets
- Accessibility
- Ease of modifications and additions
- Bend radius control
- Good appearance

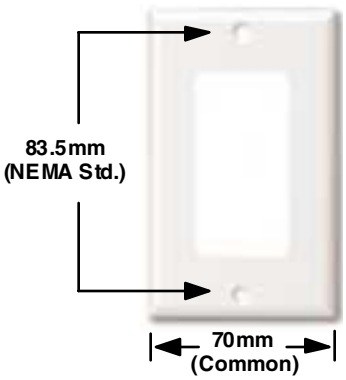
Applications Include *(but not limited to)*:

- schools and universities
- office environments
- laboratories
- training centers
- libraries
- customer service areas
- manufacturing facilities

Solutions for "total flexibility"

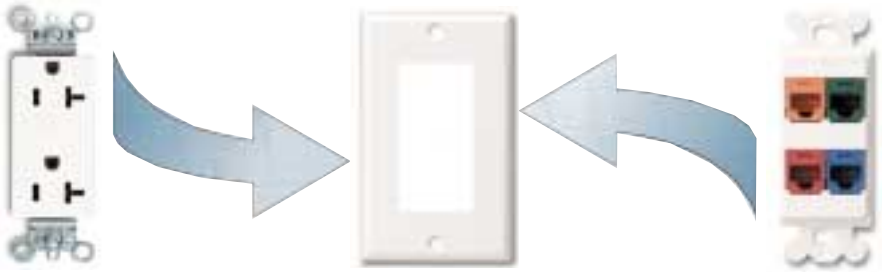
Other raceway systems use non-standard faceplates or frames designed to tie in a specific proprietary connectivity solution, limiting your connectivity choice. Panduit Raceway Systems are designed around NEMA (70mm) Standard Faceplates, the same faceplates used for in-wall applications. This provides you "total flexibility" when making your connectivity choice.

NEMA Standard Solutions



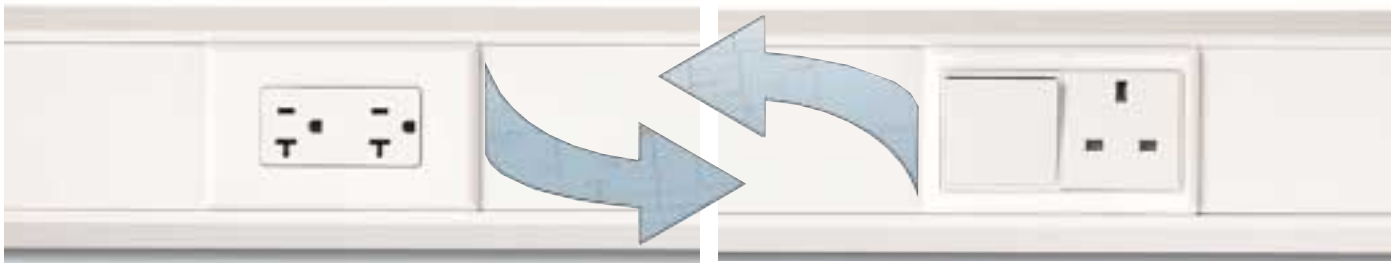
Standard solutions use electrical and communication outlets and faceplates that meet the required NEMA (70mm) standard. They are universal because every U.S. Manufacturer must meet this standard to provide in-wall outlets and faceplates.

U.S. Electrical faceplates have been made to NEMA (70mm) specifications for years. Data-Com faceplates for the U.S. typically match the U.S. Electrical faceplates in size and appearance. In addition, most Data-Com manufacturers provide module frames which adapt standard NEMA (70mm) electrical faceplates to mount their communications modules.



Global Electrical Outlet Solutions

Data-Com is common worldwide, however, electrical outlets and faceplates are not (i.e. standards vary). This problem has been solved by the ***PAN-WAY***™ line which provides international electrical outlets in faceplates that match the U.S. Electrical and Data-Com faceplates in size and appearance. The result is that the ***PAN-WAY*** line is universal in the U.S. and internationally. (Note: A ***WORKSTATION OUTLET CENTER***™ offset box is required for German outlets). It can also be used for the installation of Data-Com modules from virtually any source.



U.S. Style

International Style (UK shown)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Faceplates

Various ***PAN-WAY***™ surface raceways and surface mount outlet boxes and ***PAN-POLE***™ Outlet Poles accommodate the following faceplates:

1. *PAN-WAY* Snap-On Electrical/Communication Faceplates

These match standard NEMA (70mm) faceplates, however, they snap-on instead of screw-on.

The electrical faceplates accommodate standard NEMA (70mm) 106 and rectangular duplex electrical outlets.

These same faceplates accommodate communication outlets made by most manufacturers when used in conjunction with module frames which they provide to adapt their communication outlets to standard faceplates.

The module frame is screw mounted to the box or raceway mounting frame and this faceplate is snapped over it.

PAN-WAY Snap-On Faceplates	***PAN-WAY*** Electrical Outlets	Communication Module Frames
		
See *page A3*	See *page A4*	See *page vii* for list of compatible frames

2. *PAN-WAY* Snap-On Communication Faceplates with Screw Holes to Mount a Module Frame

These are identical to ***PAN-WAY*** Snap-On Electrical/Communication faceplates, however, they have screw holes to mount any manufacturers' module frames to these faceplates which eliminates the need for mounting frames for certain raceway applications such as T-70 and Twin-70.

PAN-WAY Snap-On Faceplates	Communication Module Frames
 with Screw Holes	
See *page A3*	See *page vii* for list of compatible frames

3. U.S. Standard Screw-On Electrical/Communication Faceplates

Standard electrical/communication faceplates match standard NEMA (70mm) faceplates. These accommodate all the same electrical and/or communication outlets and module frames as ***PAN-WAY*** Snap-On Faceplates.

Some ***PAN-WAY*** surface mount outlet boxes accommodate only screw-on faceplates. ***PAN-WAY*** screw-on electrical/communication faceplates match ***PAN-WAY*** Snap-On electrical/communication faceplates in appearance and are recommended for such applications.

Most Data-Com manufacturers supply NEMA (70mm) standard screw-on faceplates and they can be used anywhere ***PAN-WAY*** snap-on or screw-on electrical/communication faceplates are used.

PAN-WAY Screw-On Faceplates	***PAN-WAY*** Electrical Outlets	Communication Module Frames
		
See *page A3*	See *page A4*	See *page vii* for list of compatible frames

4. U.S. Standard Screw-On Communication Faceplates

Standard communication faceplates that match standard NEMA (70mm) faceplates are supplied by any manufacturer for their communication modules. These include ***PAN-NET*** ™ and ***PAN-WAY*** ™ Communication Products Screw-On communication faceplates made by Panduit.

PAN-WAY **Screw-On Communication Faceplates for Panduit** ***PAN-NET*** **Modules**

Other styles available

5. Panduit® Snap-On Communication Faceplates

PAN-NET style snap-on faceplates accommodate communication modules made by Panduit without the need for module frames.

PAN-WAY Communication Products style snap-on faceplates accommodate communication modules made by Panduit without the need for module frames.

Snap-On Communications Faceplates for Panduit ***PAN-NET*** and ***PAN-WAY*** **Communication Modules**

NOTE: Refer to ***PAN-NET*** Communication Catalog (SA101N152E-OP) for information on our complete line of ***PAN-NET*** Faceplates and Modules.
PAN-WAY General Purpose Standard "Keystone" Communication Modules and Faceplates (SA101N435-OP—Available 4th Quarter 1999).

6. International Faceplates

In addition to the above, Panduit provides:
Electrical faceplates and international electrical outlets that match the NEMA (70mm) faceplates in size and appearance and mount on various ***PAN-WAY*** surface raceways and surface mount outlet boxes.

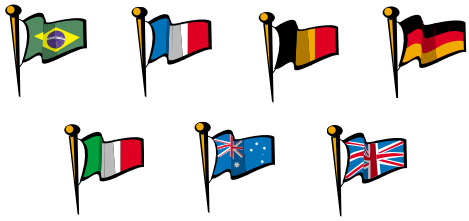
PAN-WAY **International Faceplates**

Brazil **France** **Italy** **UK** **Australia** **Germany**

See *page A5* **thru** *A7*

Faceplates

Various ***PAN-WAY***™ surface raceways, surface mount outlet boxes and ***PAN-POLE***™ Outlet Poles accommodate the following faceplates:

Faceplate	Description	Works With	
PAN-WAY **Snap-On Electrical/Communication Faceplates**			
1 	• Accommodate electrical/communication outlets • Snap over outlet or module frame when mounted to a raceway channel or a ***FAST-SNAP***™ Surface Mount Outlet Box	 **Most Mfg. Standard Electrical Outlets**	 **Most Mfg. Communication Module Frames** **See Column A or B next page**
PAN-WAY **Snap-On Communication Faceplates (with screw holes to mount a module frame)**			
2 	• Accommodate communication outlets • Outlet attaches **directly** to faceplate which snaps on a raceway channel or on a ***FAST-SNAP*** Surface Mount Outlet Box	 **Most Manufacturers' Communication Module Frames** **See Column A or B next page**	
PAN-WAY **U.S. Standard Screw-On Electrical/Communication Faceplates**			
3 	• Accommodate electrical/communication outlets • Screw mount over outlet or module frame when mounted to a surface mount outlet box or raceway mounting bracket or box	 **Most Mfg. Standard Electrical Outlets**	 **Most Mfg. Communication Module Frames** **See Column A or B next page**
U.S. Standard Screw-On Communication Faceplates			
4 	• Standard communication faceplates that match standard NEMA (70mm) Faceplates supplied by any manufacturer for their communication modules • These include ***PAN-NET*** and ***PAN-WAY***™ Screw-On Communication Faceplates made by Panduit	**Standard Manufacturers' Faceplate & Modules**	
PAN-WAY **International Electrical Faceplates**			
	• Electrical faceplates and international electrical outlets that match the NEMA (70mm) Faceplates in size and appearance and mount on various ***PAN-WAY*** Surface Raceways and Surface Mount Outlet Boxes	 **See *page A5* thru *A7***	

NOTE: See the "configuration pages" in each section of this catalog for detailed information on how to complete a termination using the solutions shown above.

Communication Module Frames Compatible with *PAN-WAY*™ Electrical/Communication Faceplates for *PAN-WAY* Surface Raceway and *PAN-POLE*™ Outlet Poles

Panduit® and Other Manufacturers' Module Frame Part Numbers

MANUFACTURER	A  Module Frames for use with **106 Style** Electrical/Communication Faceplates	B  Module Frames for use with **Rectangular** Electrical/Communication Faceplates
Panduit *PAN-NET*	CF1064**	CFG1**, CFG2**, CFG4**
Lucent Technologies	M106FR2, M106FR4	M108FR3
Amp	558302-*	558321-*
Hubbell	106 DUPLEX SERIES: BR106*, BR106***	STYLINE SERIES: FSL244*, FSL244**, FSL344*, FSL344**
Krone	6644 1 106-** 6644 1 107-**	N/A
Leviton	41070-***, 41071-***, 41072-***, 41087-***	40850**, 41642-*, 41666-*, 41688-*, 41658-*, 41668-*
Mod-Tap	11.B008, 11.B029	11.B034, 11.B030
Nordx/CDT	MDVO 106 Adapters: NXMAA2-0* (AX10030*) NXMAA4-0* (AX10031*)	MDVO Deco Adapter: QNE4AG(10*)(A040965*)
Ortronics	OR-62850001-**, OR-62850002-**, up to OR-62850024-**	OR-63650001-**, OR-63650002-**, up to OR-63650024-**
Siemon	MX-E2A-**, MX-E2F-**, MX-E4A-**, MX-E4F-**	MX-D1-**, MX-D2-**, MX-D4-**

Contact Panduit for other manufacturers not shown above.
"*" Designates a color option.

PAN-WAY Electrical/Communication Faceplates are compatible with the current design of all of the frames listed; however, it is the customer's responsibility to confirm the current suitability of any particular faceplate/frame combination.

The *PAN-POLE*™ Outlet Pole Line

Accepts the same 70mm cover as surface raceway. Aluminum Outlet Poles for power and communications in an open office environment. These accommodate the same power and communication outlets and faceplates as the ***PAN-WAY***™ line, however, compliance with local specifications must be checked for international installations.

The *FIBER-DUCT*™ Routing System

For routing cabling to and from racks and other cable managers within the closet, Panduit features the ***FIBER-DUCT*** Routing System. The system has two sizes, 2" x 2" and 4" x 4" with fittings that maintain a minimum 2" bend radius. The product is available in a number of colors to code the type of cable being routed. There is a full line of mounting brackets available.

Tips for Selecting a Surface Raceway

How to select a *PAN-WAY*™ Surface Raceway:

1. Determine the cabling systems to be routed: Data Only, Power Only or Both Power & Data

Low Voltage (Data) Raceway Systems	Power Rated Raceway Systems	Multichannel Raceway Systems (Route Power & Data)
Any ***PAN-WAY*** Surface Raceway System can be used for routing low voltage cabling, however if some cables have bend radius limitations the proper raceway fittings must be used.	LDP, LD2P, LDS, PD, Twin-70, T-70, T105, T130, T170, T3, TE70	LD2P, Twin-70, T-70, T105, T130, T170, T3, TE70

2. Consider the special requirements of the cable type used:

UTP Category 5 cabling: Per the TIA/EIA specification, UTP Category 5 cabling must maintain a cable bend radius of 1" (4 times the cable outside diameter.)

Raceway Systems with 1" Bend Radius Fittings
Twin-70, T-70, any LD Profile raceway using 1" Bend Radius Fittings

The symbol at left is used throughout this catalog to indicate a system fitting that maintains the minimum 1" bend radius for Category 5 and fiber optic cabling.

Fiber Optic Cabling: For the special handling requirements of Fiber Optic Cabling see the explanation on the next page.

The Panduit ***PAN-WAY*** Surface Raceway Systems listed are part of the ***FIBER-SPEC***™ System optimized for routing fiber optic cabling:

- Twin-70 Raceway System
- T-70 Raceway System
- LDP Raceway System
- LD2P Raceway System

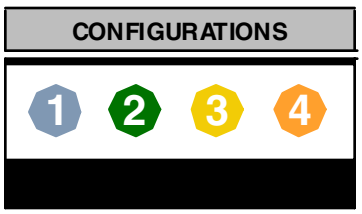
3. Compare the cable diameter (s) and number of cables to be routed with the raceway fill capacity tables provided:

These tables are located in the back of each raceway section in this catalog.
SPEC: Use this number when specifying a new surface raceway system.
MAX: The maximum number of cables that can be accommodated within the specified raceway channel.

(T-70 Cat5 fills)

Data Grade Cables			
24 AWG UTP CM			
25 pr		**Cat. 5** 4 pr	
DIA.=0.422		DIA.=0.217	
FILL		FILL	
SPEC	MAX	SPEC	MAX
15	22	56	84

4. Find a Termination Configuration to meet your requirements:



Each section contains a configuration section which calls out the components required to terminate each of the solutions shown in the chart on page vi. Look for the color coded numbers to quickly identify the solution.

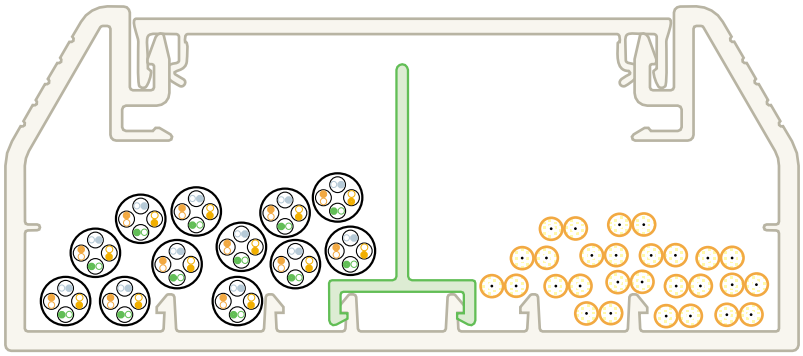
Fiber Optic Cabling

Panduit has identified the following criteria, based on the TIA/EIA standards and good cabling practices, which should be taken into consideration when selecting a raceway system to route fiber optic cabling:

FIBER-SPEC™

- **Must provide security and segregation**
- **Must provide bend radius protection for the cabling**
- **Must provide the installer with access to 1 meter of fiber optic cabling**

Must provide security and segregation

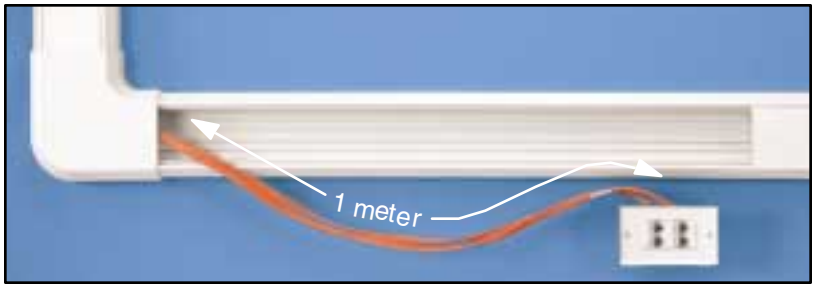


- Installation of divider wall maintains separated security for fiber cables.

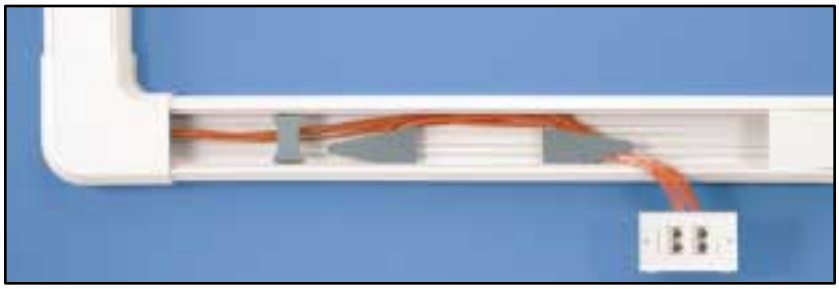
Must provide bend radius protection for the cabling

- Panduit ***FIBER-SPEC***™ Raceway Systems all maintain minimum 1" bend radius control throughout system.

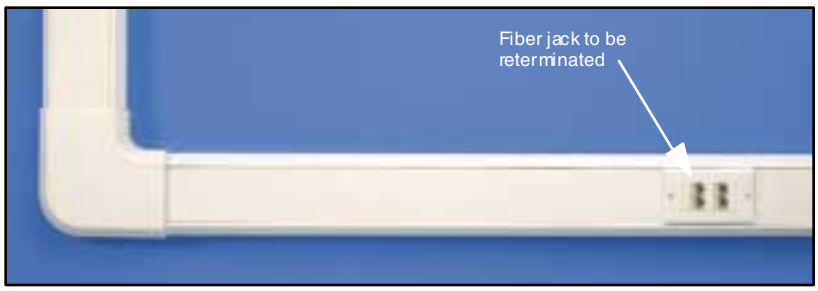
Must provide the installer with access to 1 meter of fiber optic cabling



When cover is not installed, length of cable in raceway is removed to provide access.



If additional length of cable is desired, bend radius controlled storage loop is installed on base of raceway (see *page B20*).



Raceway cover and faceplate are snapped on providing security and segregation.

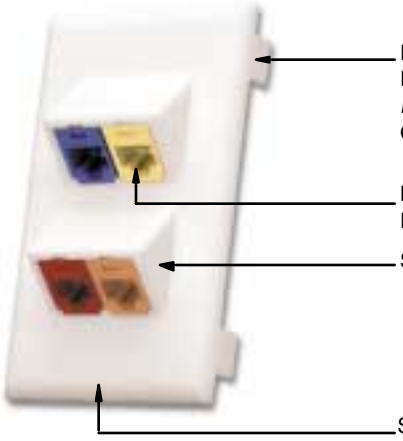
NEW

THE PREFERRED OPTIONS

Available Only From Panduit ®

Integral Snap-On Faceplates

SNAP-ON to ***PAN-WAY***™ Surface Raceway and ***FAST-SNAP***™ Surface Mount Outlet Boxes. Communication modules snap directly into faceplate. Available for Panduit ***PAN-NET***™ and ***PAN-WAY*** Communication Modules.



THE ADVANTAGES

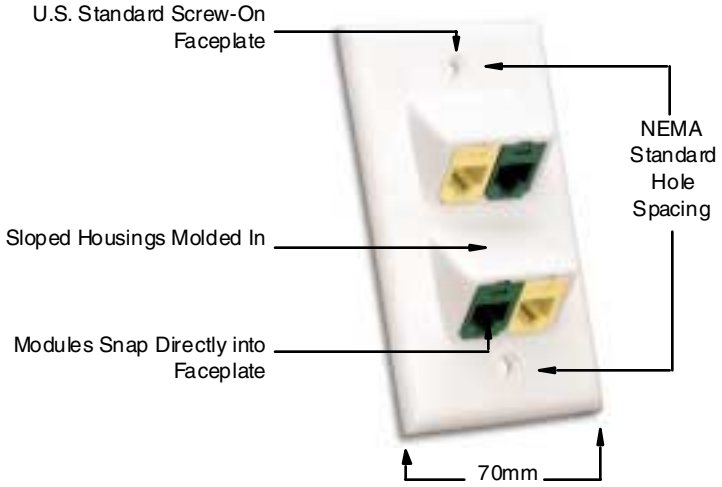
- **INSERTS ARE NOT REQUIRED**
- **MODULE FRAMES ARE NOT REQUIRED***
- **SCREWS ARE NOT REQUIRED**
- **VERSIONS TO ACCEPT *PAN-NET* OR *NEW PAN-WAY* COMMUNICATION MODULES**

Integral Screw-On Faceplates

THE ADVANTAGES

- **INSERTS ARE NOT REQUIRED**
- **MODULE FRAMES ARE NOT REQUIRED***
- **NEMA STANDARD** — **NEMA STANDARD HOLE SPACING AND 70mm WIDTH**
- **VERSIONS TO ACCEPT *PAN-NET* OR *NEW PAN-WAY* COMMUNICATION MODULES**

SCREW-ON to ***PAN-WAY*** Surface Raceway and ***FAST-SNAP*** Surface Mount Outlet Boxes. Communication modules snap directly into faceplate. Available for Panduit ***PAN-NET*** and ***PAN-WAY*** Communication Modules.



	SEE CATALOG
Panduit ***PAN-WAY*** General Purpose Standard "Keystone" Communication Modules and Faceplates (Available 4th quarter)	SA101N435-OP
Panduit ***PAN-NET*** Specification Grade Communication Modules and Faceplates	SA101N152E-OP

*NOTE: Module frames are available for Panduit ***PAN-NET*** communication modules, however, they are not recommended. Integral snap-on faceplates which are available for these communication modules are a superior solution because no module frame is required and all screws are eliminated.

NOTES

Surface Raceway Products

PAN-WAY™ Faceplates and Electrical Outlets

PAN-WAY Faceplates and Electrical Outlets are available to mount, conceal and terminate power and communications with **PAN-WAY** Plastic Surface Raceway and surface mount outlet boxes.

All are available in colors to match and complement the raceway and surface mount outlet boxes.

Faceplates

- U.S. Standard Screw-On Electrical/Communication Faceplates
- New **PAN-WAY** Snap-On Faceplates available for electrical/communication applications
- All electrical/communication faceplates are UL 5A Listed to 600V and CSA Certified to 300V
- Available in 4 standard colors
- Select styles available in up to 7 colors

Electrical Outlets

- Standard electrical devices
- Available styles:
  20A 106 Duplex
  20A Rectangular
  TVSS Rectangular
  GFCI Rectangular
- New 20A Low Profile Surface Mount Outlet Boxes include box and 20A outlet
- Available in 2 colors

INTERNATIONAL OUTLET SOLUTIONS
See *page A5* thru *A7*

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

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PAN-WAY™ Snap-On Electrical/Communication Faceplates


T70P


T70PG


T70PSIW


T70PGSIW

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Electrical/Communication Snap-On Faceplate				
T70PIW	Snap-on faceplate covers one NEMA standard 106 duplex electrical outlet. In communication applications covers one standard 106 communication module frame. *No mounting screws required to install faceplate.*	Off White	1 pc.	10 pcs.
Single Gang Rectangular Electrical/Communication Snap-On Faceplate				
T70PGIW	Snap-on faceplate covers one NEMA standard rectangular electrical outlet. In communication applications covers one rectangular communication module frame. *No mounting screws required to install faceplate.*	Off White	1 pc.	10 pcs.
Single Gang 106 Duplex Communication Snap-On Faceplate* ***(with screw holes to mount a module frame)***				
T70PSIW	Snap-on faceplate covers one NEMA standard 106 duplex module frame. Module frame screw mounts directly to underside of snap-on faceplate. No device bracket needed. Supplied with one mounting screw.	Off White	1 pc.	10 pcs.
Single Gang Rectangular Communication Snap-On Faceplate* ***(with screw holes to mount a module frame)***				
T70PGSIW	Snap-on faceplate covers one NEMA standard rectangular communication module frame. Module frame screw mounts directly to underside of snap-on faceplate. No device bracket needed. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

*Not for use with electrical devices

PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

NEW!

CP106

CP106**-2G

CPG

CPG**-2G

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Screw-On Faceplate				
CP106IW	Covers one NEMA standard 106 duplex electrical outlet. In communication applications, covers one standard 106 communication module frame. Supplied with one mounting screw.	Off White	1 pc.	10 pcs.
Double Gang 106 Duplex Screw-On Faceplate				
CP106IW-2G	Covers two NEMA standard 106 duplex electrical outlets. In communication applications, covers two standard 106 communication module frames. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Single Gang Rectangular Screw-On Faceplate				
CPGIW	Covers one NEMA standard rectangular electrical outlet. In communication applications, covers one standard rectangular communication module frame. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Double Gang Rectangular Screw-On Faceplate				
CPGIW-2G	Covers two NEMA standard rectangular electrical outlets. In communication applications, covers two standard rectangular communication module frames. Supplied with four mounting screws.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), RD (Red), BR (Brown) and BL (Black). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ Stainless Steel U.S. Standard Screw-On Electrical/Communication Faceplates


WPS-20


WPS-202

Part Number	Description	Color	Std. Pkg Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Stainless Steel Faceplate				
WPS-20	Covers one NEMA standard 106 duplex electrical outlet. In communication applications covers one standard 106 communication module frame. Supplied with one mounting screw.	—	1 pc.	10 pcs.
Double Gang 106 Duplex Stainless Steel Faceplate				
WPS-202	Covers two NEMA standard 106 duplex electrical outlets. In communications applications covers two standard 106 module frames. Supplied with two mounting screws.	—	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY U.S. Standard Electrical Outlets

Compatible with all PAN-WAY Surface Raceway and Surface Mount Outlet Boxes

NEW!


EDU20**-X

NEW!


ERU20**-X

NEW!


ETU20IW-X

NEW!


EGU20IW-X

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
106 Duplex Electrical Outlet				
EDU20IW-X	20A U.S. style 106 duplex outlet. Supplied with two mounting screws.	Off White	10 pc.	100 pcs.
Rectangular Electrical Outlet				
ERU20IW-X	20A U.S. style rectangular outlet. Supplied with two mounting screws.	Off White	10 pc.	100 pcs.
Rectangular Transient Voltage Surge Suppression Electrical Outlet				
ETU20IW-X	20A TVSS rectangular outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Rectangular Ground Fault Circuit Interrupt Electrical Outlet				
EGU20IW-X	20A GFCI rectangular outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

106 duplex and rectangular style outlets fit into surface mount outlet boxes, and are compatible with all PAN-WAY Surface Raceways.

◆ All parts listed in Off White color (IW). For Electrical Ivory substitute (EI).

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ Surface Mount Outlet Box with 20A Electrical Outlet

NEW!


JBP1MR20

NEW!


JBP1MD20

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Surface Mount Outlet Box with 20A Rectangular Electrical Outlet				
JBP1MR20IW	Two-piece power rated Low Profile Surface Mount Outlet Box. Supplied with 20A U.S. style rectangular electrical outlet.	Off White	1 pc.	10 pcs.
Surface Mount Outlet Box with 20A 106 Duplex Electrical Outlet				
JBP1MD20IW	Two-piece power rated Low Profile Surface Mount Outlet Box. Supplied with 20A U.S. style 106 duplex electrical outlet.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White color (IW). For Electrical Ivory substitute (EI).

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page F6 for detailed information on specific usage with raceways.

PAN-WAY™ Brazilian Standard Electrical Faceplates

NEW!

T70PB

FP1B

FP2BB

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang Snap-On Electrical Faceplate				
T70PBIW	Covers one Brazilian electrical outlet. No screws required to mount faceplate.	Off White	1 pc.	10 pcs.
Single Gang Screw-On Electrical Faceplate				
FP1BIW	Covers one Brazilian electrical outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Double Gang Screw-On Electrical Faceplate				
FP2BBIW	Covers two Brazilian electrical outlets. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY French Standard 45X45 Snap-On Faceplate

T70BL2

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
45X45mm Snap-On Electrical/Communication Faceplate (accepts 45X45 modules)				
T70BL2IW	Single gang snap-on electrical/communication faceplate accepts two (2) 45x45mm French power outlet modules or four (4) half size modules.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ German Schuko and French/Belgium Electrical Outlets and Faceplates

EID16 EIF16 ESD10

FCFP1P

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
German Schuko Style Electrical Outlet				
EID16AW-X	16A Schuko style outlet. 55mm x 55mm.	Arctic White	10 pcs.	100 pcs.
French/Belgium Style Electrical Outlet				
EIF16AW-X	16A French/Belgium style outlet. 55mm x 55mm.	Arctic White	10 pcs.	100 pcs.
Double Pole Switch				
ESD10AW-X	10A double pole switch	Arctic White	10 pcs.	100 pcs.
Single Gang Faceplate for German Schuko and French/Belgium Standard Electrical Outlets				
FCFP1PAW-X	Single gang faceplate for 55mm x 55mm electrical outlet or switch.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY DIN Standard Two-Piece Surface Mount Outlet Box

DJBX

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Two-Piece DIN Box				
DJBXAW	Single gang DIN box — base and cover. Conduit breakouts: 25mm, 19mm, 13mm.	Arctic White	1 pc.	10 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY Faceplates and Brackets for Italian Type Electrical Outlets

For T-70, Twin-70, TE-70

T70MDB-X

T70PM

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket for Italian Type Outlets (for T-70/Twin-70/TE-70 Raceway)*				
T70MDB-X	Bracket accepts VIMAR products (Italy) of the "idea" series. Mounts directly to T-70, Twin-70 or TE-70 raceway.	Gray	10 pcs.	100 pcs.
Italian Type Snap-On Electrical Faceplate*				
T70PMAW-X	Faceplate snaps over bracket frame to mount to T-70, Twin-70 or TE-70 raceway or ***FAST-SNAP***™ Surface Mount Outlet Boxes.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.
*Contact Panduit for availability and product offering.

PAN-WAY™ Australian Type Screw-On Electrical Outlet

EJA15

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Australian Type Electrical Outlet*				
EJA15AW-X	15A two gang Australian standard outlet.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

*Contact Panduit for availability and product offering.

PAN-WAY UK Style Electrical Modules and Faceplates

EMG13

ETG16
ESG16

EBG

T70UMB

T70GB

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Electrical Modular Outlet				
EMG13AW-X	13A full size UK outlet module.	Arctic White	10 pcs.	100 pcs.
Two-Way Modular Switch				
ETG16AW-X	16A two-way full module switch.	Arctic White	10 pcs.	100 pcs.
Double Pole Modular Switch				
ESG16AW-X	16A double pole full module switch.	Arctic White	10 pcs.	100 pcs.
Blank Module				
EBGAW-X	Full size blank module fits UK T70BU2 faceplate.	Arctic White	10 pcs.	100 pcs.
Snap-On Electrical Faceplate (for T-70/Twin-70/TE-70 Raceway)				
T70UMBAW-X	Two gang faceplate accepts two full size modules. Snaps onto T-70, Twin-70 or TE-70 raceway channel. For use with EMG13, ETG16, ESG16 and EBG modules.	Arctic White	10pcs.	100pcs.
Hanging Box (for T-70/Twin-70/TE-70 Raceway)				
T70GB-X	Box snaps into raceway channel to contain wiring in multi-channel applications.	Gray	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

NOTES

PAN-WAY™ T-70 & Twin-70 Non-Metallic Surface Raceways

for Power and Communications Cabling (including Fiber Optic Cables)

PAN-WAY T-70 and Twin-70 plastic surface raceways are aesthetically designed multichannel systems. These systems can be used to route, conceal and protect power and data cables inside one raceway.

Fittings and terminations are designed to maintain the TIA/EIA required 1" minimum bend radius of high performance copper and Fiber-Optic cabling throughout the entire system. The two systems are tamper resistant yet allow the qualified installer access for moves, adds and changes.

T-70 Surface Raceway

NEW! 8 & 10 Foot Lengths

pg. B7

- Compact design with capacity for routing power and/or communication cables to workstations
- Inline or Offset termination configurations available
- NEMA Standard Devices and 70mm Faceplates can be flush mounted within the channel

Twin-70 Surface Raceway

NEW! 8 & 10 Foot Lengths

pg. B15

- Two totally separate channels within one raceway with maximum capacity for trunking and routing power and communication cables to workstations
- NEMA Standard Devices and 70mm Faceplates can be flush mounted within the channel
- Independent access to power and communications cabling for added user safety
- No boxes are required for mounting devices

Panduit *PAN-WAY* T-70 & Twin-70 Raceways provide the following common benefits:

- Attractive and complementary profiles for seamless transitions between systems
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Both raceways are part of the ***FIBER-SPEC***™ System and are optimized for Fiber-Optic cabling
- Fittings maintain the minimum 1" bend radius required under TIA/EIA 568-A and 569-A for high performance copper and Fiber Optic cabling systems
- Covers and fittings are extremely tamper resistant
- New! Snap-On Faceplates require less hardware for quick terminations and lower installed cost
- Both systems use common components for installer convenience
- Four standard colors available to complement any surrounding decor

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

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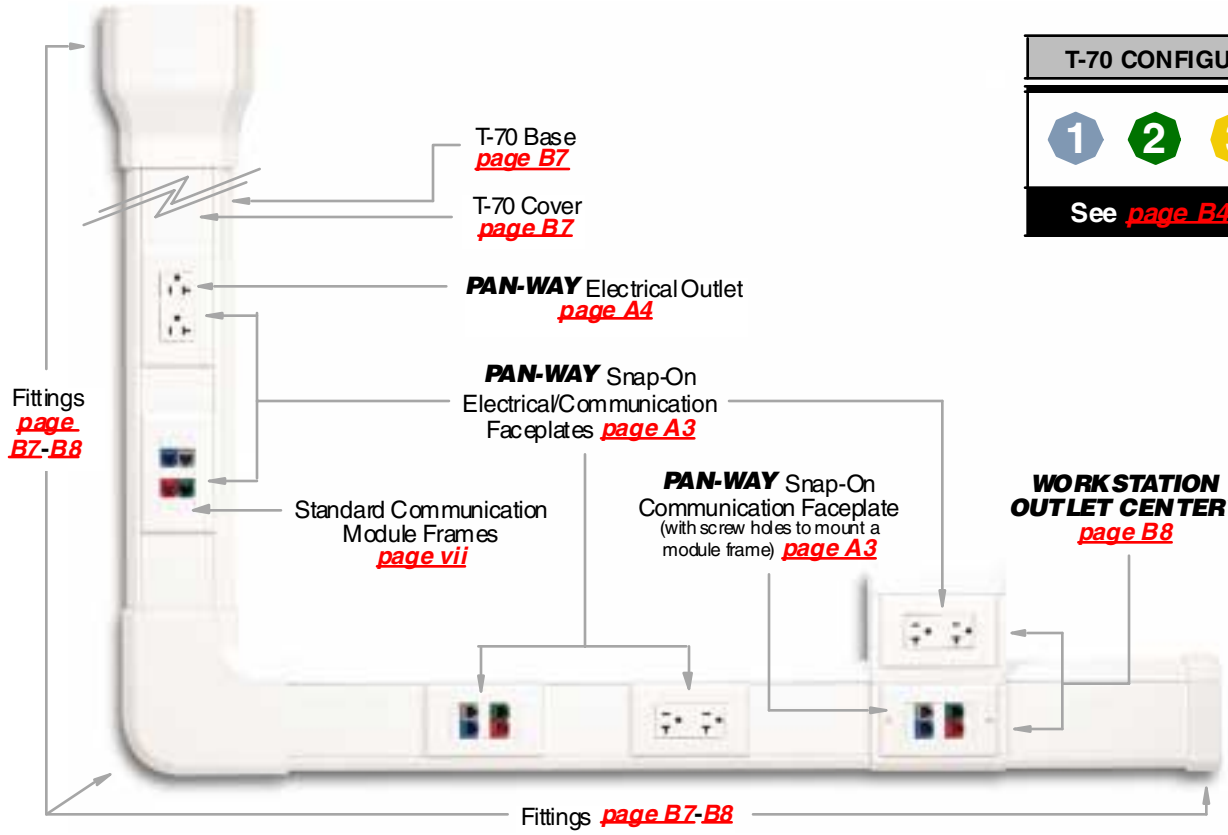
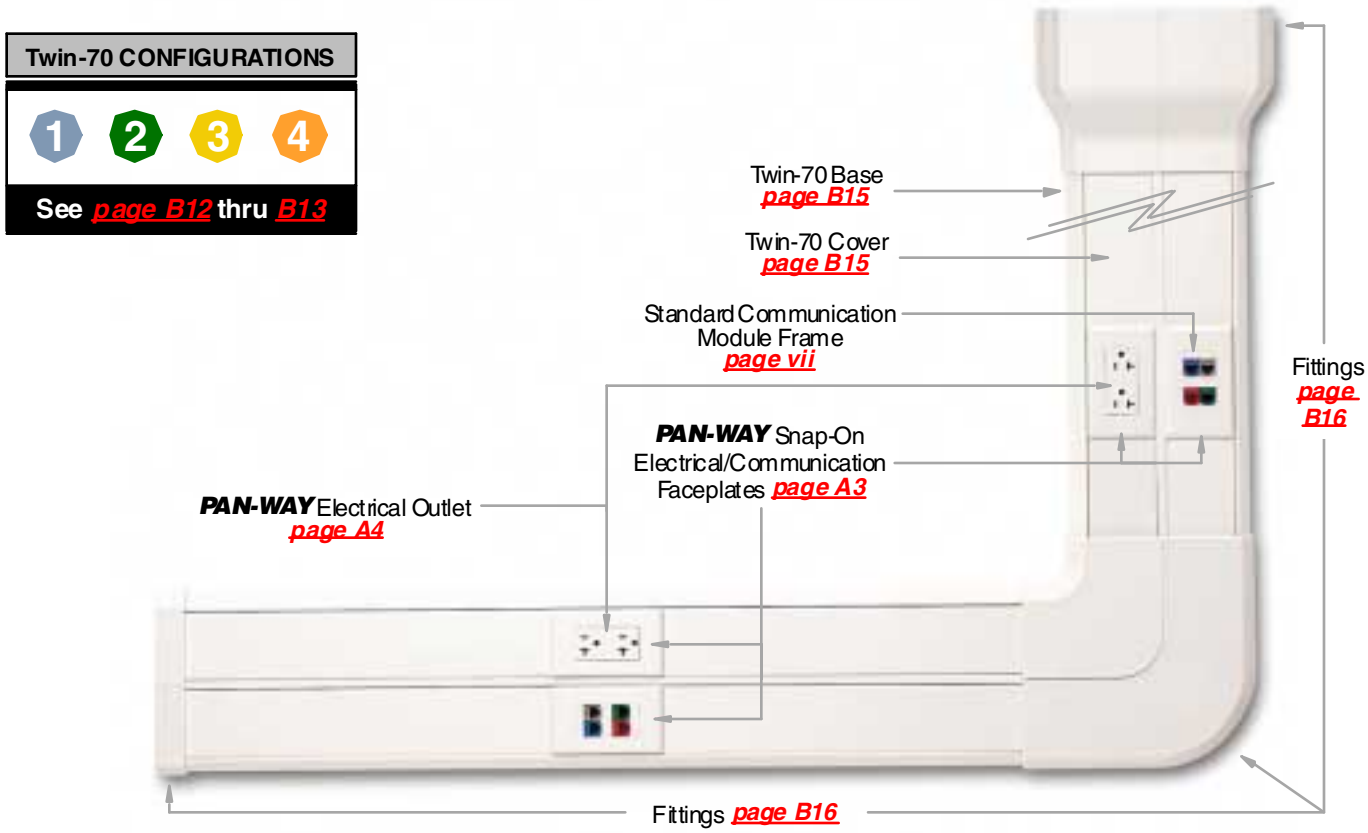
PAN-WAY™ T-70 Raceway System

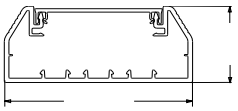


PAN-WAY Twin-70 Raceway System



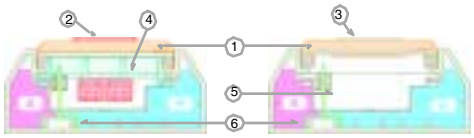
PAN-WAY™ T-70 Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

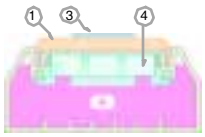


Base: pg. B7
Cover: pg. B7
Fittings: pg. B7-B8

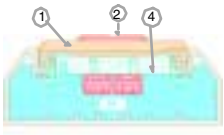
1 PAN-WAY Snap-On Electrical/Communication Faceplates



Inline Data & Power



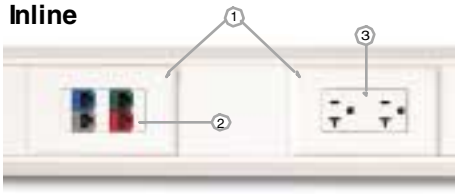
Power Only



Data Only

- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on page vii)

Inline

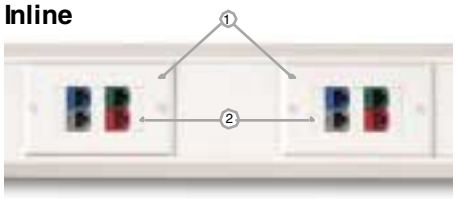


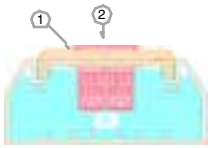
Areas (in²)	A	B
Inline Data & Power	.84	1.75
Data Only	—	3.37
Power Only	3.76	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	Snap-On Electrical/Comm. Faceplate(s) (T70PG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20
5.	Hanging Box (T70HB3-X shown)			X	B20
6.	Divider Wall (T70DW shown)			X	B7

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)

Inline





Inline Data Only

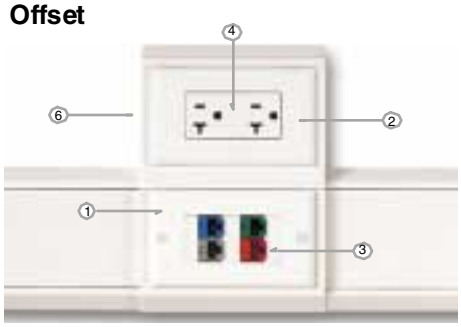
- Faceplate requires no device mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on page vii)

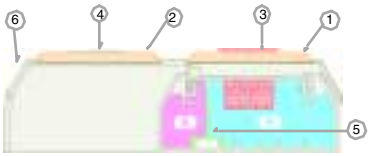
Areas (in²)	A	B
Data Only	—	3.89

	Components Required	Data Only		See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X		A3
2.	Standard Communications Module Frame	X		vii

Note: For power and data applications use with configuration #1 above or with configuration #3 shown on next page

Offset





Offset Data & Power

- Offset configuration adds data capacity
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Offset Data & Power	1.10	3.04

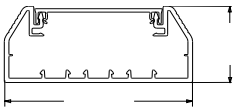
	Components Required	Data & Power	See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X	A3
2.	Snap-On Electrical/Communication Faceplate (T70PG shown)	X	A3
3.	Standard Communication Module Frame	X	vii
4.	PAN-WAY Electrical Outlet (ERU20 shown)	X	A4
5.	Divider Wall (T70DW shown)	X	B7
6.	WORKSTATION OUTLET CENTER™ Offset Box (T70WC2)	X	B8

Note: Snap-On Faceplate Offset configuration shown requires Snap-On Electrical/Communication Faceplate from Configuration #1 for power as noted in offset configuration (component #2)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

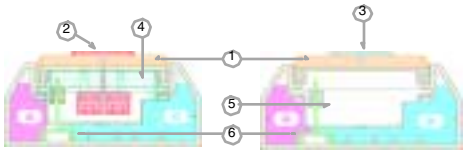
PAN-WAY™ T-70 Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

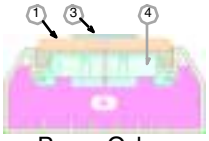


Base: pg. B7
Cover: pg. B7
Fittings: pg. B7-B8

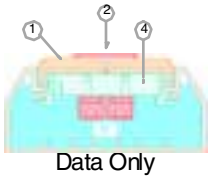
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



Inline Data & Power



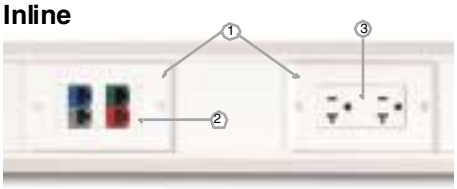
Power Only



Data Only

- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)

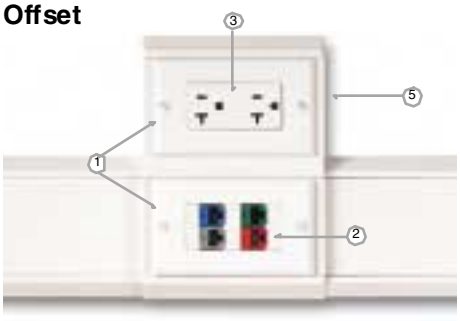
Inline

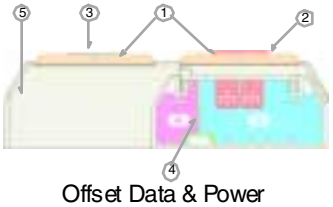


Areas (in²)	A	B
Inline Data & Power	.84	1.75
Data Only	—	3.37
Power Only	3.76	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20
5.	Hanging Box (T70HB3-X shown)			X	B20
6.	Divider Wall (T70DW shown)			X	B7

Offset





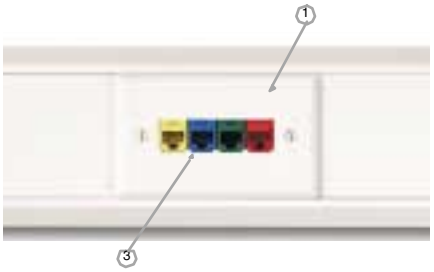
Offset Data & Power

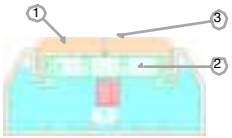
- Offset configuration adds data capacity
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Offset Data & Power	1.10	3.04

	Components Required	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	A3
2.	Standard Communication Module Frame	X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)	X	A4
4.	Divider Wall (T70DW shown)	X	B7
5.	WORKSTATION OUTLET CENTER™ Offset Box (T70WC shown)	X	B8

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' NEMA standard 70mm communication faceplates
- Panduit® Styles available, for more information refer to page xii

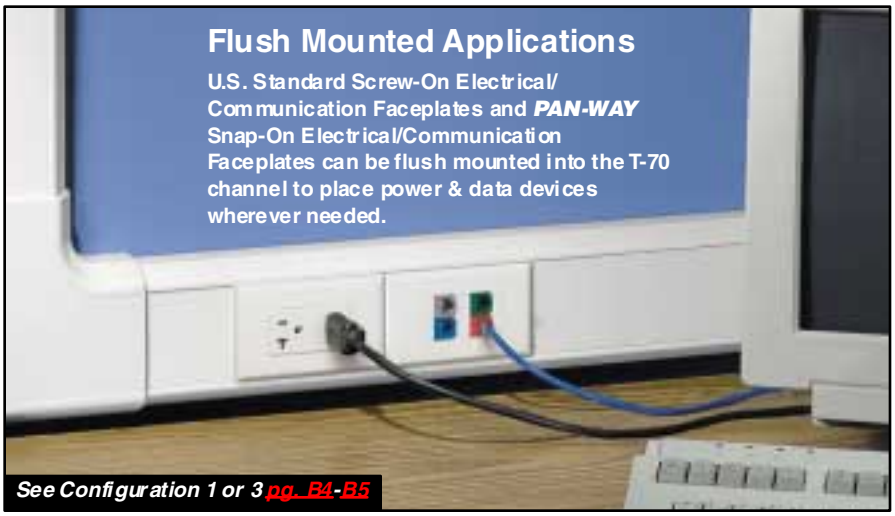
Areas (in²)	A	B
Data Only	—	3.74

	Components Required	Data Only		See Page
1.	U.S. Standard Screw-On Communication Faceplates	X		—
2.	Device Mounting Bracket (T70DB-X shown)	X		B20
3.	Manufacturers' inserts and/or communication modules	X		—

Note: For power and data applications use with configuration #3 above or with configuration #1 shown on previous page

PAN-WAY™ T-70 Surface Raceway System Features

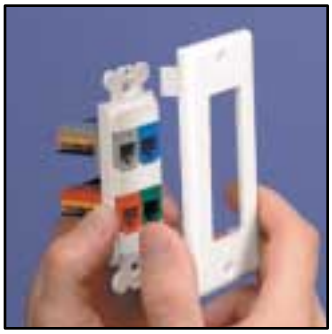
T-70 has adequate capacity for trunking applications



Solution #2 — Example Installation

2

Using the PAN-WAY Snap-On Communication Faceplate (with screw holes to mount a module frame)



Place module frame behind faceplate...

Screw module frame and faceplate together...

Snap faceplate to channel...

Done!

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ T-70 Surface Raceway Base & Cover

PAN-WAY Type T-70 Surface Raceway is an aesthetically designed, multi-channel system to route, protect and conceal data, voice, video, fiber-optic and power cabling.

Compatible with:
— **PAN-WAY** Snap-On Faceplates
— Any U.S. Standard Screw-On Electrical/Communication Faceplate(s)

T-70 System Benefits:

- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Fittings maintain the TIA/EIA required 1" bend radius for Fiber-Optic and Category 5 cabling systems
- Supplied with pre-punched mounting holes
- Extremely tamper resistant

NEW Lengths!

T70B

T70C

T70DW

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
T-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
T70BIW8	48 ft.	T70BIW10	60 ft.	Off White
T-70 raceway base in 8 or 10 ft. lengths. Supplied with pre-punched mounting holes every 8".				
T-70 Raceway Cover				
T70CIW8	96 ft.	T70CIW10	120 ft.	Off White
T-70 raceway cover in 8 or 10 ft. lengths.				
T-70 Raceway Divider Wall				
T70DW8	96 ft.	T70DW10	120 ft.	Gray ONLY
Snaps onto rails in raceway base to create separate channels. Must use with wire retainers to ensure channel separation per UL/CSA.				

NOTE: Order raceway base and cover separately.
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type T-70 Fittings

T70BC**-X

T70CC**-X

T70IC

T70OC

T70RA

T70EC

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T70BCIW-X	Base Coupler Fitting	Off White	10 pcs.	100pcs.
T70CCIW-X	Cover Coupler Fitting	Off White	10 pcs	100pcs.
T70ICIW	Inside Corner Fitting	Off White	1 pcs.	10 pcs.
T70OCIW	Outside Corner Fitting	Off White	1 pc.	10 pcs.
T70RAIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
T70ECIW	End Cap Fitting Conduit breakouts: ½"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

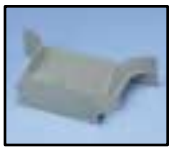
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type T-70 Fittings (cont'd)


T70T


T70TDT
T70TDC
T70TDB


T70EE


T70TR
T70TRC


T70TRI

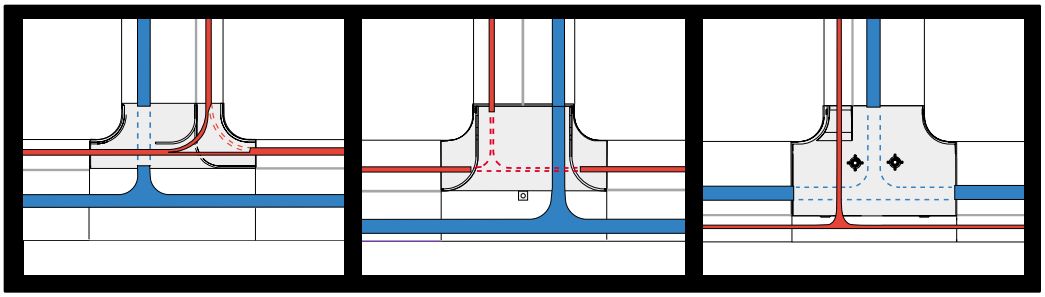
Part Number	Description	Std. Pkg. Qty.	Colors◆	Std. Ctn. Qty.
T70TIW	Tee Fitting	1 pc.	Off White	10 pcs.
T70TDT (Top Position) T70TDC (Center Position) T70TDB (Bottom Position)	T-70 Raceway Divider Inserts (Power & Data Applications). Separate power and data within Tee Fitting when divider wall placed in top, center or bottom position	1 pc.	Gray ONLY	10 pcs.
T70EEIW	Entrance End Fitting Conduit breakouts: ½", ¾", 1", 1¼" Entry from ceiling or wall.	1 pc.	Off White	10 pcs.
T70TRIW	Transition Fitting to any LD Profile Raceway. Includes fitting for bend radius control. Maintains channel separation within T-70 raceway — Base & Cover	1 pc.	Off White	10 pcs.
T70TRCIW	Transition Fitting to any LD Profile Raceway — Cover Only	1 pc.	Off White	10 pcs.
T70TRI	Divided insert for T70 to LD2P10. Maintains channel separation within T70TR Fitting	1 pc.	Gray ONLY	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

T-70 Raceway Accessories available on page B20

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Tee Insert Configurations


T70TDT T70TDC T70TDB

— KEY —
Data Cabling
Power Cabling
Tee Insert
Divider Wall

Divided Tee Inserts are used to separate power and data cabling for various tee configurations. Maintains 1" bend radius of data cables.

PAN-WAY WORKSTATION OUTLET CENTER™ Offset Box for T-70 Raceway

NEW!


T70WC

NEW!


T70WC2

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
WORKSTATION OUTLET CENTER Offset Box — For U.S. Standard Screw-On Electrical/Communication Faceplates				
T70WCIW	Two-piece box & bracket accept any NEMA standard 70mm faceplate with mounting hole widths of 3.28" (83.5mm).	Off White	1 pc.	10 pcs.
WORKSTATION OUTLET CENTER Offset Box — For PAN-WAY Snap-On Electrical/Communication Faceplates				
T70WC2IW	Two-piece box & bracket accept any standard electrical outlet. Accepts any PAN-WAY Snap-On Electrical/Communication Faceplates.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

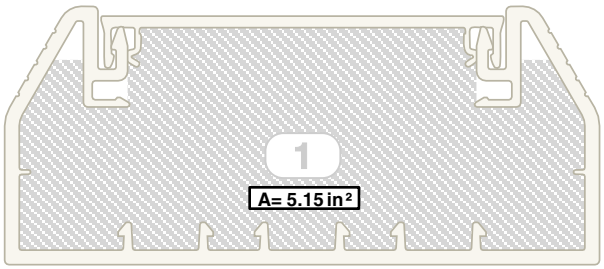
The **WORKSTATION OUTLET CENTER** offset box places electrical and communications devices into a common area while maximizing the cabling capacity of the raceway channel.

The **WORKSTATION OUTLET CENTER** offset box Snap-On Faceplate version provides the lowest installed cost by reducing hardware and labor.

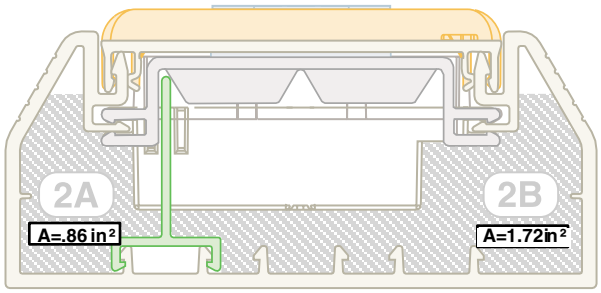
For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Fill Capacities for T-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



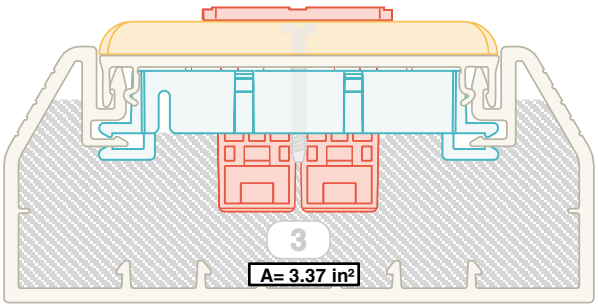
Wirefill #1: T-70 Raceway with no devices



Wirefill #2: Power & Data using Three Sided Hanging Box and Device Bracket

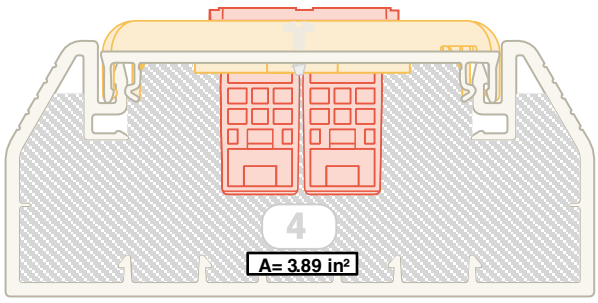
Includes: Three sided Hanging Box, Divider Wall, Wire Retainer, Snap-On Electrical/Communication Faceplate.

Not shown for clarity: U.S. Standard Electrical Outlet, Standard Communication Module Frame and Communication Modules.



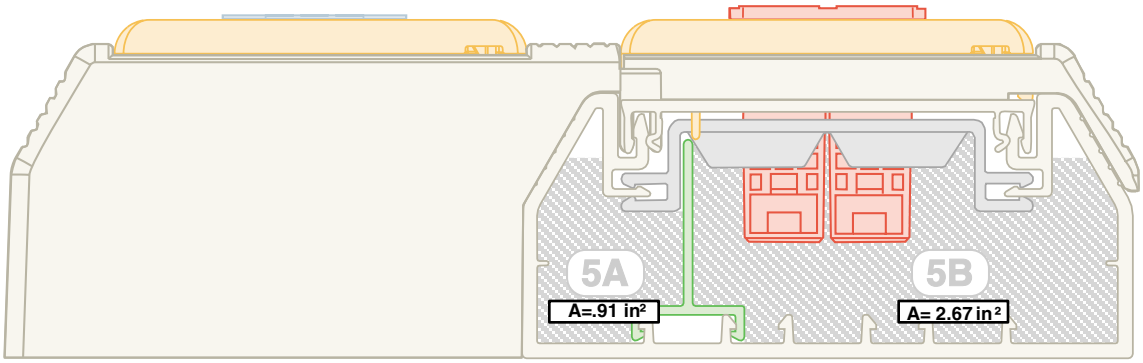
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/ Communication Faceplate, Standard Communication Module Frame and Communication Modules.



Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules



Wirefill #5: Power & Data using the *WORKSTATION OUTLET CENTER*™ Offset Box

Includes: WORKSTATION OUTLET CENTER Offset Box, Divider Wall, Wire Retainer, Snap-On Electrical/ Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.

Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B9.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	24	20	5	182	273	117	175	73	109	15	22	56	84
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	14	11	7	30	46	19	29	12	18	2	4	9	14
	2B	**	**	**	61	91	39	58	24	36	5	7	19	28
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	**	**	**	119	178	76	114	47	71	9	14	36	54
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	**	**	**	137	206	87	131	54	82	11	16	42	63
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** ™ Offset Box	5A	14	11	7	32	48	20	31	12	19	2	3	9	14
	5B	**	**	**	94	141	60	90	37	56	7	11	28	43

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	10	15	42	63	9	13	48	72	7	10	32	48	14	21
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	2	3	7	11	1	2	8	12	1	2	5	8	2	4
	2B	3	5	14	21	3	4	16	24	2	3	11	11	5	7
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	6	9	27	41	5	8	31	46	4	6	20	31	9	13
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	7	11	31	47	6	10	36	54	4	7	24	36	10	16
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	1	2	7	11	1	2	8	12	1	1	5	8	2	3
	5B	5	7	21	32	4	6	24	37	3	5	16	24	7	11

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B9.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for: ·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	36	54	16	24	70	106	45	67	45	67
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	6	9	3	4	12	18	7	11	7	11
	2B	12	18	5	8	24	35	15	22	15	22
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	23	35	10	15	46	69	29	43	29	43
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	27	40	12	18	53	79	33	50	33	50
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	6	9	2	4	12	18	7	11	7	11
	5B	18	28	8	12	36	54	23	34	23	34

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	86	129	86	129	60	89	602	904	602	904	1050	1575	1355	2033
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	14	21	14	21	10	15	140	210	140	210	175	263	226	340
	2B	29	43	29	43	20	30	279	419	279	419	351	526	453	679
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	55	83	55	83	38	58	393	590	527	791	685	1028	885	1328
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	64	96	64	96	44	67	454	681	609	913	791	1187	1022	1533
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	15	22	15	22	10	15	106	160	143	214	186	279	240	360
	5B	44	66	44	66	30	46	312	468	418	628	544	816	702	1054

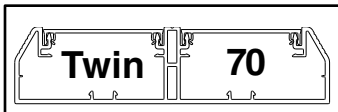
NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T;.090" thickness,.125" kerf.*

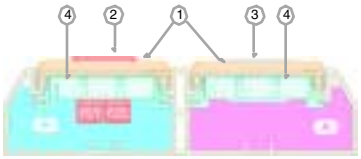
PAN-WAY™ Twin-70 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

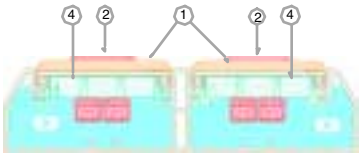


Base: pg. B15
Cover: pg. B15
Fittings: pg. B16

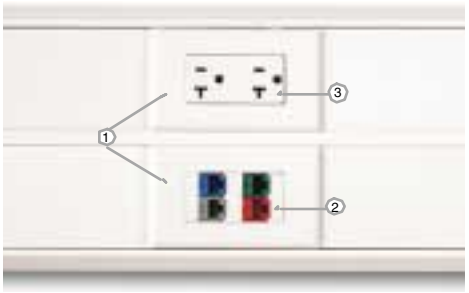
1 PAN-WAY Snap-On Electrical/Communication Faceplates



Data & Power



Data Only

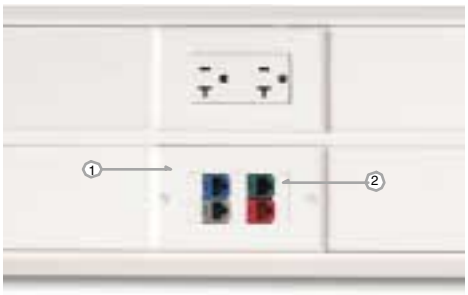


Areas (in²)	A	B
Data & Power	3.32	2.80
Data Only	—	2.80(x2)

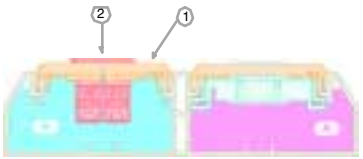
- Snap-On Faceplates provide a superior appearance (No screws required).
- Can use most manufacturers' communication module frames (see chart on page vii)

Components Required	Data Only	Power Only	Data & Power	See Page
1. Snap-On Electrical/Communication Faceplate(s) (T70PG shown)	X	X	X	A3
2. Standard Communication Module Frame	X		X	vii
3. PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4. Device Mounting Bracket (T70DB-X shown)	X	X	X	B20

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)



Areas (in²)	A	B
Data Only	3.32	3.32



Data & Power

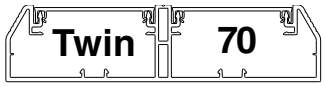
- Faceplate requires no device mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on page vii)

Components Required	Data Only		See Page
1. Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X		A3
2. Standard Communication Module Frame	X		vii

Note: For power application shown add the power only components from configuration #1

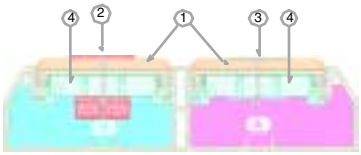
PAN-WAY™ Twin-70 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

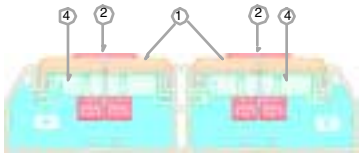


Base: pg. B15
Cover: pg. B15
Fittings: pg. B16

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

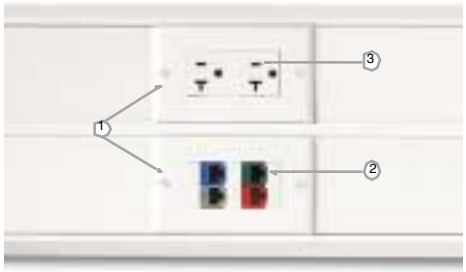


Data & Power



Data Only

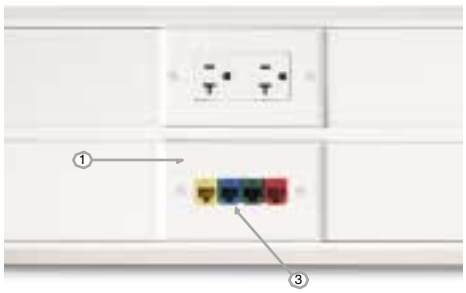
- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)



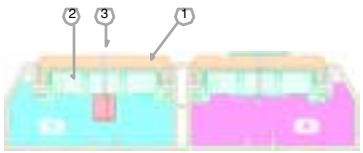
Areas (in²)	A	B
Data & Power	3.32	2.80
Data Only	—	2.80 (x2)

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20

4 U.S. Standard Screw-On Communication Faceplates



Areas (in²)	A	B
Data Only	3.32	3.17



Data & Power

- Uses most manufacturers' NEMA standard 70mm communication faceplates (see chart on page vii)
- Panduit® Styles available, for more information refer to page xii

	Components Required	Data Only		See Page
1.	U.S. Standard Screw-On Communication Faceplates	X		A3
2.	Device Mounting Bracket (T70DB-X shown)	X		B20
3.	Manufacturers' inserts and/or modules	X		—

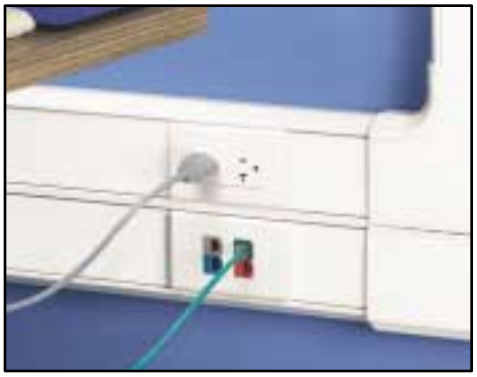
Note: For power application shown add the power only components from configuration #3

PAN-WAY™ Twin-70 Surface Raceway System Features

Extreme tamper-resistance with a large capacity makes Twin-70 raceway ideal for routing and maintaining power and data into computing intense environments such as media centers and computer labs.

NEW!

Enter the raceway from a ceiling drop or "thru-wall" with the Entrance End Fitting



Maximizes safety by maintaining total separation of data and power cabling throughout the entire raceway system.

Both U.S. Standard Screw-On Faceplates and ***PAN-WAY*** Snap-On Electrical/ Communication Faceplates are flush mounted into the Twin-70 channel to place power & data devices wherever needed.

Twin-70 has added capacity for trunking applications

PAN-WAY™ Twin-70 Surface Raceway Base & Cover

PAN-WAY Type Twin-70 Surface Raceway is an aesthetically designed system featuring two separate dedicated channels that can form up to four total channels to route, protect and conceal data, voice, video, fiber-optic and power cabling.

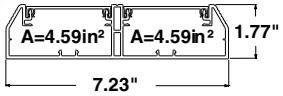
Compatible with:
—**PAN-WAY** Snap-On Faceplates
—Any U.S. Standard Screw-On Electrical/Communication Faceplate(s)

Twin-70 System Benefits:

- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Separate channels allow independent access to power and communication cabling throughout the entire system
- Fittings maintain the TIA/EIA required 1" bend radius for Fiber-Optic and Category 5 cabling systems
- Extremely tamper resistant
- Supplied with pre-punched mounting holes

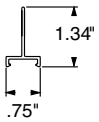
NEW Lengths!

T702B



T70C

T70DW



Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
Twin-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
T702BIW8	24 ft.	**T702BIW10**	30 ft.	Off White
Twin-70 raceway base in 8 or 10 ft. lengths. Supplied with pre-punched mounting holes every 8".				
T-70 Raceway Cover				
T70CIW8	96 ft.	**T70CIW10**	120 ft.	Off White
T-70 or Twin-70 raceway tamper resistant cover in 8 or 10 ft. lengths. **NOTE: Two feet of cover needed for every foot of base.**				
T-70 Raceway Divider Wall				
T70DW8	96 ft.	**T70DW10**	120 ft.	Gray ONLY
Snaps onto rails in raceway base to create separate channels. Must use with wire retainers to ensure channel separation per UL/CSA.				

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

NOTE: Order raceway base and cover separately.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type Twin-70 Fittings


T702BC**-X


T70CC**-X


T702OC


T702IC


T702RA


T702TR


T702TRL


T702TRI


T702T


T702EE


T702EC

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T702BCIW-X	Base Coupler Fitting	Off White	10 pcs.	100pcs.
T70CCIW-X	Cover Coupler Fitting	Off White	10 pcs.	100pcs.
T702ICIW	Inside Corner Fitting	Off White	1 pcs.	10 pcs.
T702OCIW	Outside Corner Fitting	Off White	1 pc.	10 pcs.
T702RAIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
T702TRIW	Transition Fitting — To T-70 Raceway	Off White	1 pc.	5 pcs.
T702TRLIW	Transition Fitting — To any LD Profile Raceway	Off White	1 pc.	5 pcs.
T702TRI	Divided Insert for T702 to T70 or T702 to LD profile. Maintains channel separation within T702TR or T702TRL fitting.	Gray ONLY	1 pc.	5 pcs.
T702TIW	Tee Fitting	Off White	1 pc.	5 pcs.
T702EEIW	Entrance End Fitting Conduit breakouts: ½",¾", 1", 1¼" Entry from ceiling or wall.	Off White	1 pc.	5 pcs.
T702ECIW	End Cap Fitting Conduit breakouts: ½"	Off White	1 pc.	10 pcs.

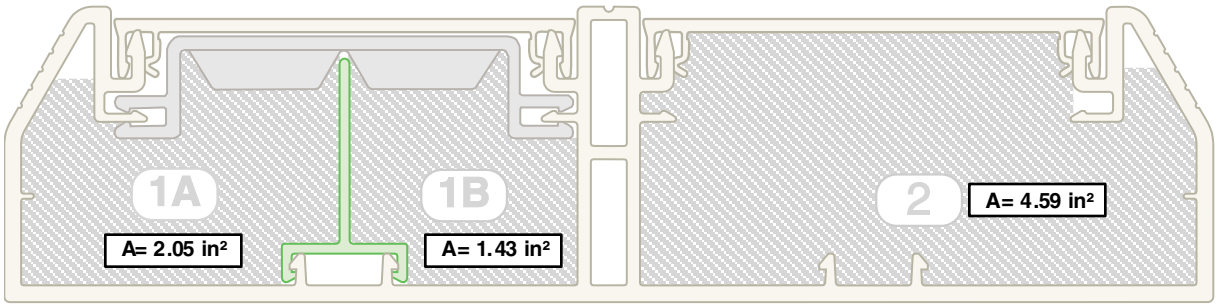
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

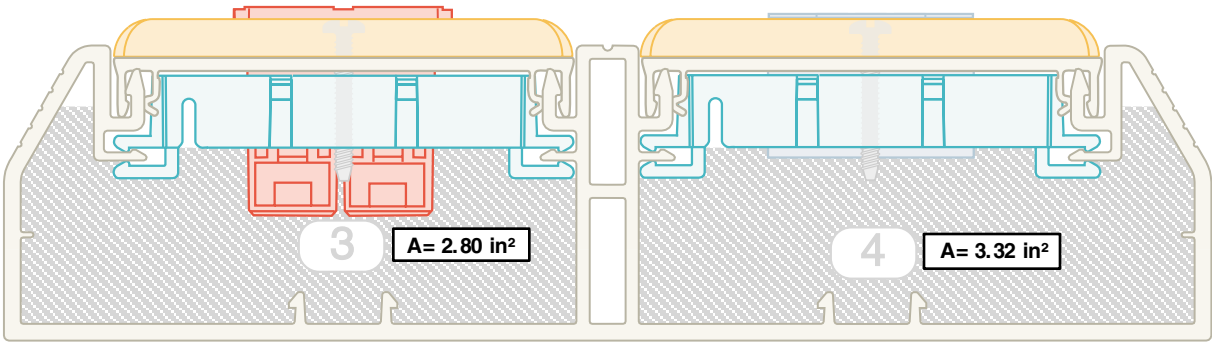
Fill Capacities for Twin-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



Wirefill #1: Power & Data with No Terminations

Wirefill #2: One Twin-70 Channel with No Devices

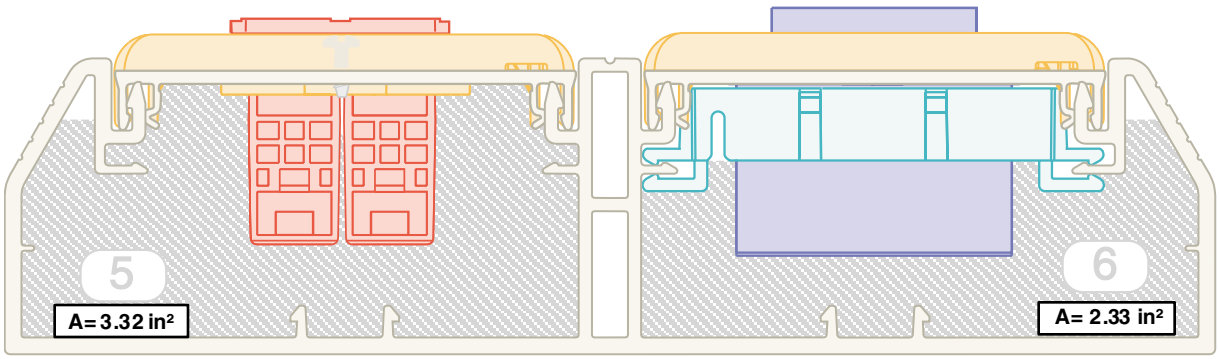


Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate, Standard Communication Module Frame and Communication Modules

Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate and U.S. Standard Electrical Outlet



Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules

Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/ Communication Faceplate

Includes: Device Bracket, Snap-On Electrical/ Communication Faceplate and 20A TVSS Rectangular Outlet

Fill Capacities for Twin-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B17.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data with No Terminations	1A	n/a	n/a	n/a	73	109	46	70	29	43	6	9	22	33
	1B	16	16	15	51	76	32	49	20	30	4	6	15	23
Wirefill #2: One Twin-70 Channel with No Devices	2	n/a	n/a	n/a	162	244	104	156	65	97	13	20	50	75
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	**	**	**	99	148	63	95	39	59	8	12	30	45
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	15	13	13	117	176	75	113	47	70	9	14	36	54
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	**	**	**	117	176	75	113	47	70	9	14	36	54
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	16	16	14	82	124	53	79	33	49	7	10	25	38

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286			
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	4	6	17	25	4	5	19	29	3	4	13	19	6	8
	1B	3	4	12	17	2	4	13	20	2	3	9	13	4	6
Wirefill #2: One Twin-70 Channel with No Devices	2	9	13	37	56	8	12	43	64	6	9	29	43	13	19
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	5	8	22	34	4	7	26	39	3	5	17	26	7	11
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	6	10	27	41	6	9	31	46	4	6	21	31	9	14
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	6	10	27	41	6	9	31	46	4	6	21	31	9	14
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	5	7	19	28	4	6	22	33	3	4	15	22	6	10

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for Twin-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B17.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	14	21	6	10	28	42	18	27	18	27
	1B	10	15	4	7	20	29	12	19	12	19
Wirefill #2: One Twin-70 Channel with No Devices	2	32	48	14	21	63	94	40	60	40	60
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	19	29	8	13	38	57	24	36	24	36
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	23	35	10	15	45	68	29	43	29	43
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	23	35	10	15	45	68	29	43	29	43
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	16	24	7	11	32	48	20	30	20	30

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	34	51	34	51	24	36	240	360	322	482	418	627	540	809
	1B	24	36	24	36	17	25	167	251	224	336	291	437	376	565
Wirefill #2: One Twin-70 Channel with No Devices	2	76	115	76	115	53	80	537	805	720	1080	936	1403	1208	1812
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	46	69	46	69	32	48	327	491	438	658	570	855	736	1104
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	55	83	55	83	38	58	388	583	521	781	677	1015	874	1311
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	55	83	55	83	38	58	388	583	521	781	677	1015	874	1311
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	39	58	39	58	27	40	273	409	365	548	475	712	613	920

NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type T-70 & Twin-70 Raceway Accessories

T70DB-X

T70HB-X

T70HB3-X

T70WR-X

T70S-X

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Device Mounting Bracket				
T70DB-X	Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates.	Gray	10 pcs.	100 pcs.
Hanging Box				
T70HB-X	Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway.	Gray	10 pcs.	100 pcs.
Three Sided Hanging Box				
T70HB3-X	Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. No break-outs are required. Low profile increases capacity in raceway. For use with T70 raceway only.	Gray	10 pcs.	100 pcs.
Wire Retainer				
T70WR-X	Holds wires in place. Will not interfere with cover installation.	Gray	10 pcs.	100 pcs.
Surface Mount Box Spacer Plate				
T70S-X	Spacer plate is used to mount a CBX4 Surface Mount Box onto the Device Bracket or Hanging Box shown above.	—	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Using the spacer plate a CBX4 box can be mounted onto Twin-70 or T-70 raceway.

The CBX4 box features a fiber spool for managing fiber optic cable slack.

Note: Fiber spool optional. Not necessary for T-70 or Twin-70 raceway.

T-70 Snap-On Fiber Spool Bracket

NEW!

T70SFB

- Brackets are adjustable for slack length
- Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T-70 Snap-On Fiber Spool Bracket				
T70FSB	Fiber spool bracket that snaps onto base of T-70. Provides method to contain 1m or more of fiber slack and provides strain relief. Maintains 1" bend radius for fiber optic cabling. Bracket distance can be adjusted to fit the length of slack required.	Gray	2 pcs.	50 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.
NOTE: Can only be used with T-70 base.
Contact Panduit for availability.

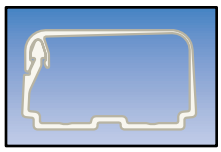
Use the T70FSB with T-70 raceway to contain 1m or more of fiber slack and maintain a 1" cable bend radius.

PAN-WAY™ LD Profile Raceways

PAN-WAY LD Profile Surface Raceways provide a complete system for routing and protecting premise cabling systems.

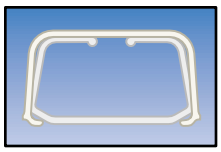
The five different LD profile raceway types have unique features that will match the raceway to the specific needs of many different power and/or communications cabling applications.

A choice of standard low voltage, TIA/EIA 1" bend radius control, power rated and multi-channel fittings are available.



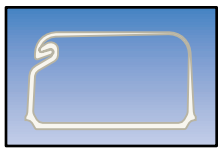
Type LDP

- Extremely tamper resistant latch design for power & fiber-optic applications
- Excellent for school/university applications
- Hinge provides exceptional strength during impact & cutting



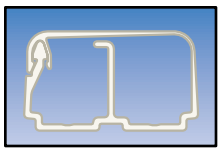
Type CD

- Two piece design—base & cover
- Two base styles:
  –Adhesive Backed (smooth surfaces)
  –Screw Mounted Metal Bases (irregular surfaces)



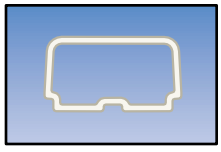
Type LD

- Wires are laid in instead of pulled through for quick & easy installations
- Hinge provides exceptional strength during impact & cutting
- Fast & easy installations
- New! 8 & 10 foot lengths for select styles of LD profile raceways



Type LD2P

- Multi-channel raceway routes power & data together
- Excellent for office environments
- Extremely tamper-resistant
- Full complement of fittings, boxes & faceplates



Type LDS

- Non-latching design is economical with unmatched tamper resistance
- Excellent for safety sensitive devices such as pay phones or security systems
- Bendable in low voltage applications to route around and over obstructions

Table of Contents

Additional Related Products

PAN-WAY Electrical Outlets A4

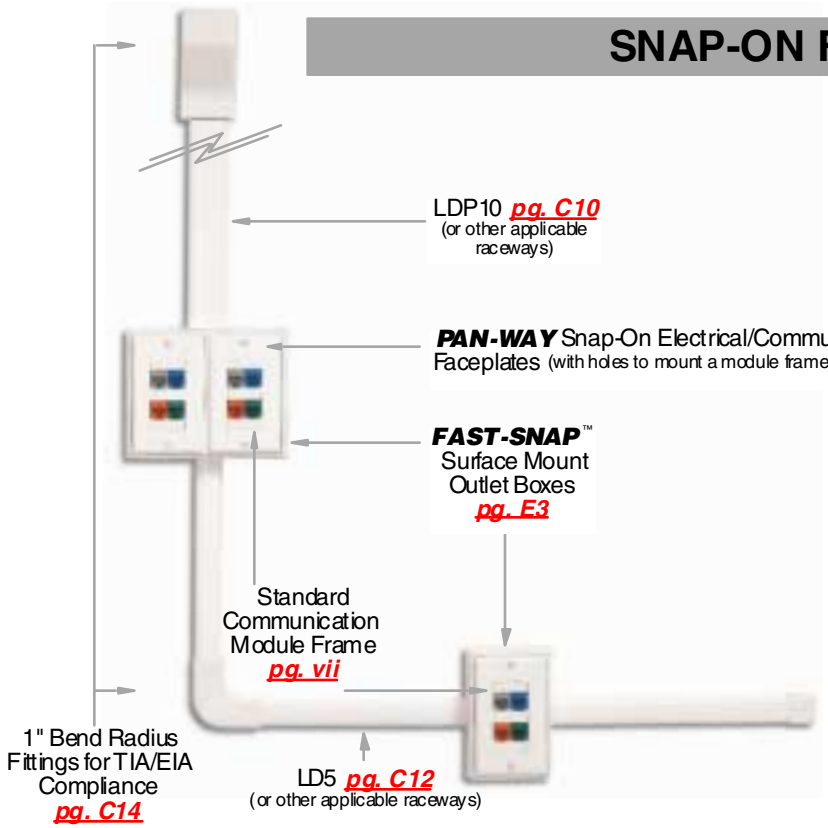
PAN-WAY Faceplates A3-A4

PAN-WAY Surface Mount Outlet Boxes E3-E5

PAN-WAY Accessories H1

PAN-WAY™ LD Profile Non-Metallic Raceways Data Only—Roadmap

SNAP-ON FACEPLATES



APPLICABLE RACEWAYS

- LDP pg. C10
- LD pg. C12
- LDS pg. C11
- CD pg. C13

CONFIGURATIONS

1 2

See page C6 thru C7

SCREW-ON FACEPLATES

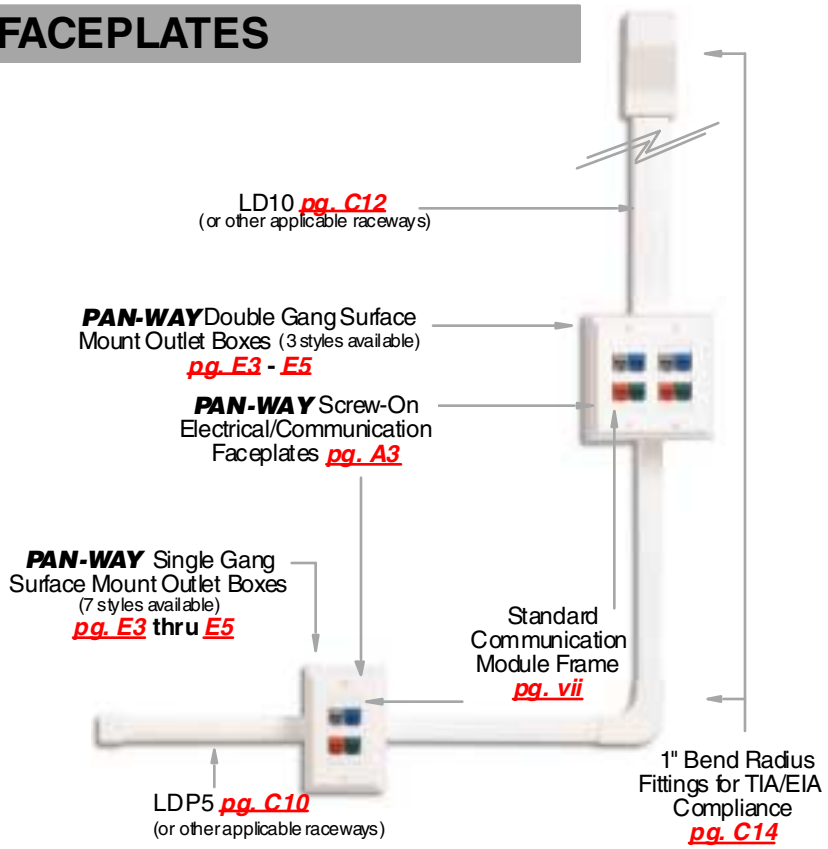
APPLICABLE RACEWAYS

- LDP pg. C10
- LD pg. C12
- LDS pg. C11
- CD pg. C13

CONFIGURATIONS

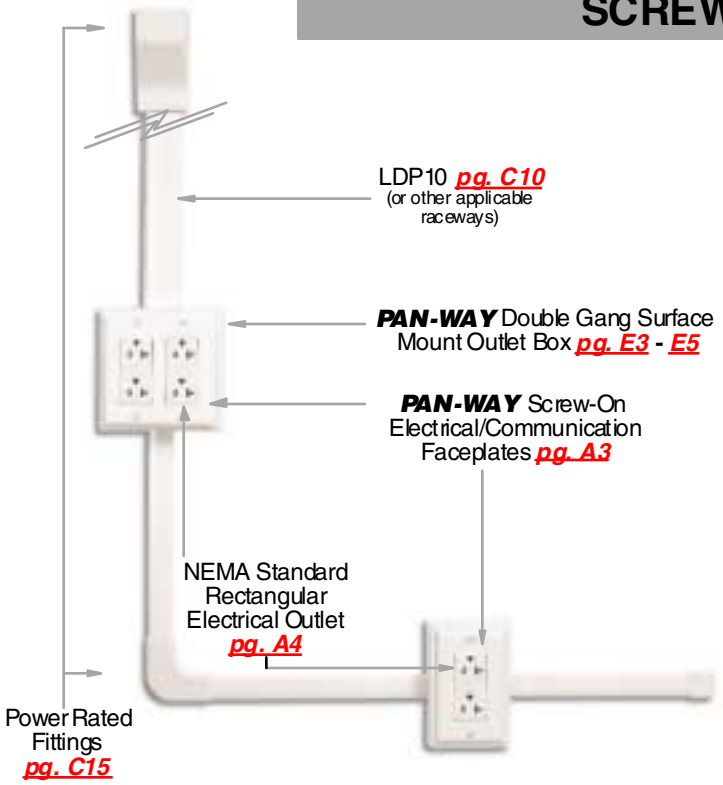
3 4

See page C6 thru C7



PAN-WAY™ LD Profile Non-Metallic Raceways
Power Only—Roadmap

SCREW-ON FACEPLATES



APPLICABLE RACEWAYS

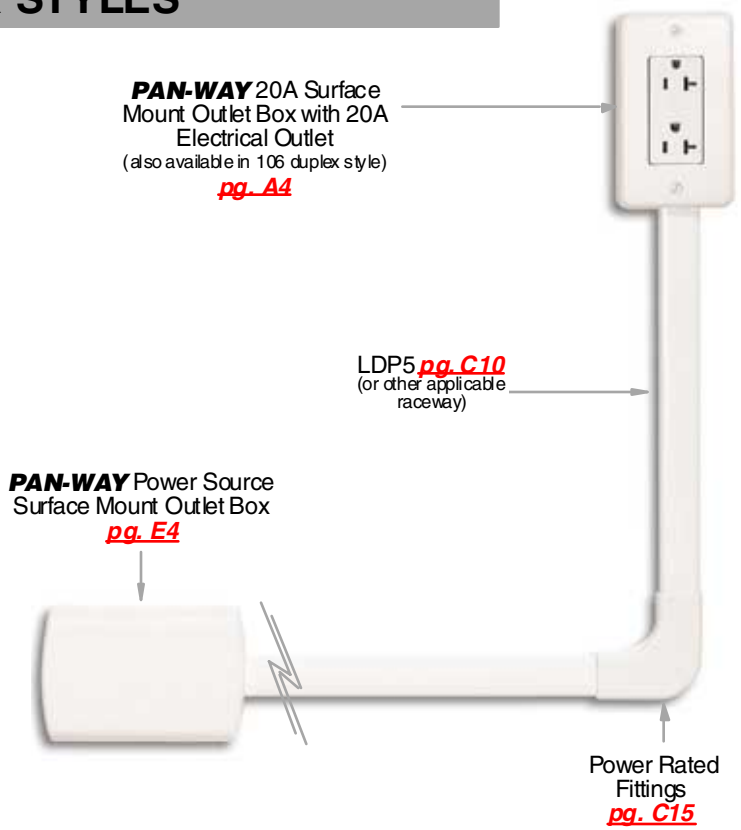
LDP pg. C10 | LDS pg. C11

CONFIGURATIONS

3 4

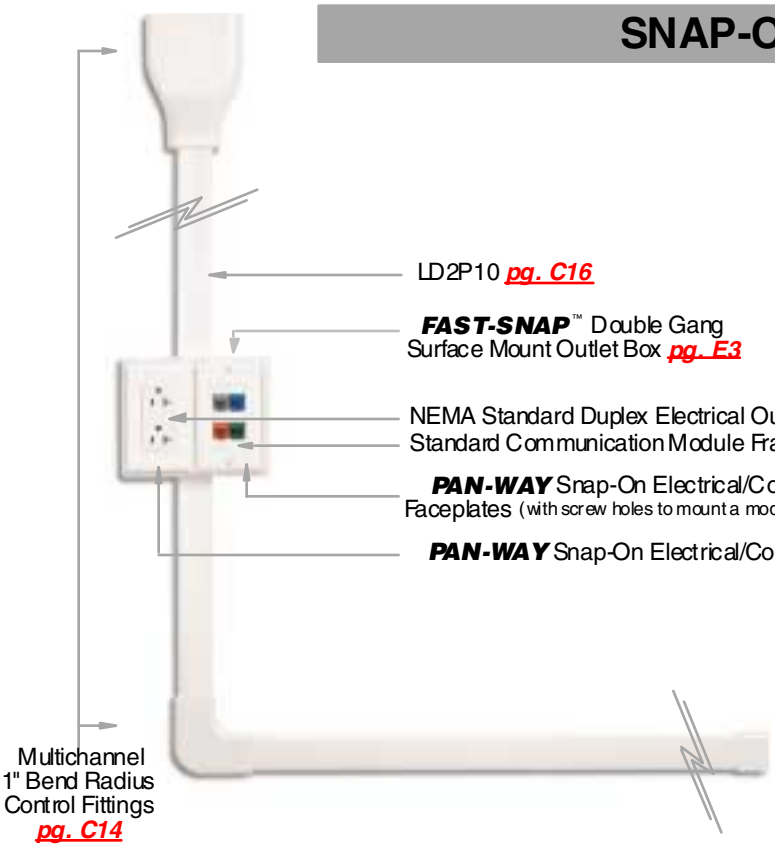
See page C6 thru C7

OPTIONAL BOX STYLES



PAN-WAY™ LD Profile Non-Metallic Raceways
Data & Power—Roadmap

SNAP-ON FACEPLATES



APPLICABLE RACEWAYS

LD2P pg. C16

CONFIGURATIONS

1 2

See page C6 thru C7

SCREW-ON FACEPLATES

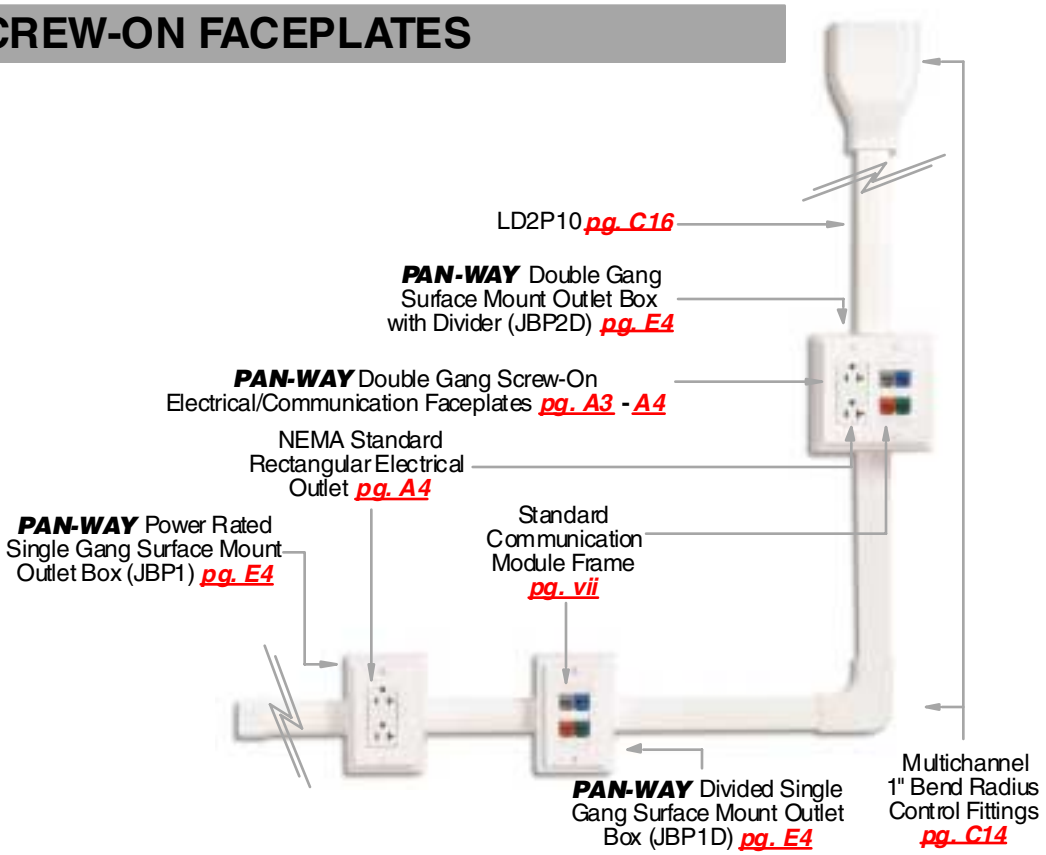
APPLICABLE RACEWAYS

LD2P pg. C16

CONFIGURATIONS

3 4

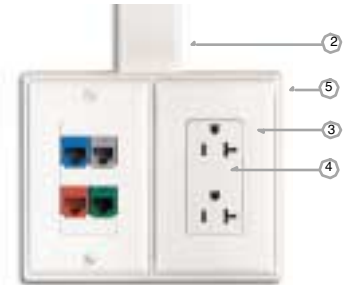
See page C6 thru C7



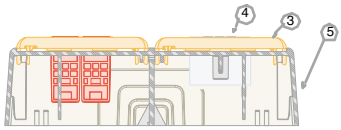
PAN-WAY™ LD Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

1 PAN-WAY Snap-On Electrical/Communications Faceplates



Data & Power
(Must be used with LD2P10 raceway)



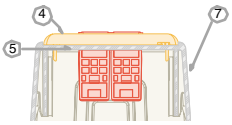
Data & Power

- Snap-On Faceplates provide a superior appearance
- **FAST-SNAP**™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation

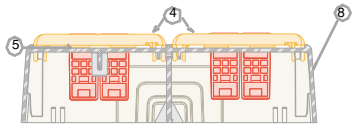
Components Required		Data (A) Data (B)	Data & Power	See Page
1.	LDP/LD/LDS or CD Raceway	X X		C10-C13
2.	LD2P10 Multichannel Raceway		X	C16
3.	Snap-On Electrical/Communication Faceplate(s)		X	A3
4.	NEMA Standard Duplex Outlet		X	A4
5.	Double Gang **FAST-SNAP** Outlet Box	X	X	E3

Note: For data area(s) and fill capacity information see page C17-C18

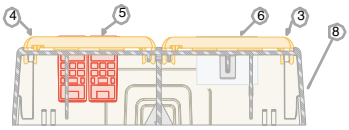
2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)



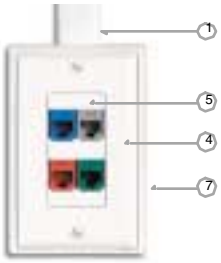
Data Only (A)



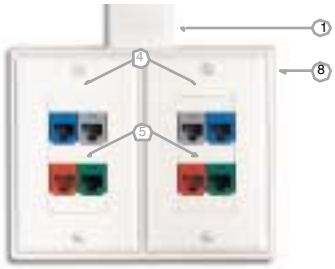
Data Only (B)



Data & Power



Data Only (A)



Data Only (B)

Data & Power
(Must be used with LD2P10 raceway)

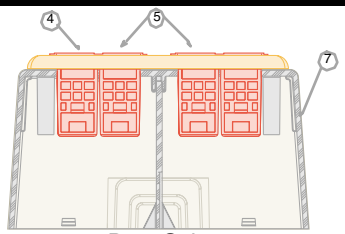
- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on page vii)
- **FAST-SNAP**™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation

Components Required		Data (A) Data (B)	Data & Power	See Page
1.	LDP/LD/LDS or CD Raceway	X X		C10C13
2.	LD2P10 Multichannel Raceway		X	C16
3.	Snap-On Electrical/Communication Faceplate(s)		X	A3
4.	Snap-On Electrical/Communication Faceplate(s) (with screw holes to mount a module frame)	X X	X	A3
5.	Standard Communication Module Frame(s)	X X	X	vii
6.	NEMA Standard Duplex Outlet		X	A4
7.	Single Gang **FAST-SNAP** Outlet Box	X		E3
8.	Double Gang **FAST-SNAP** Outlet Box	X	X	E3

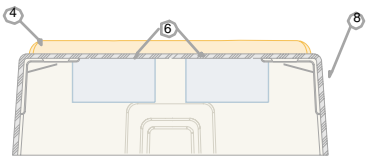
Note: For data area(s) and fill capacity information see page C17-C18

PAN-WAY™ LD Raceway Configurations Cont'd

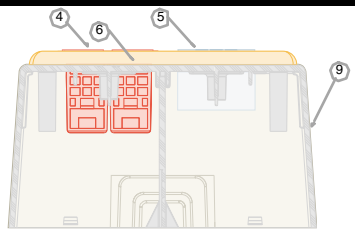
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



Data Only

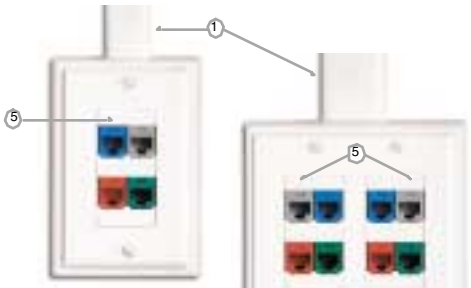


Power Only

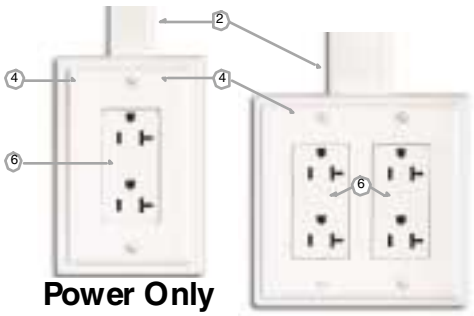


Data & Power

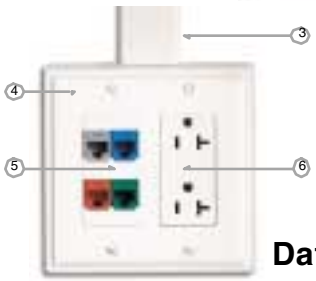
- Standard US screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)



Data Only



Power Only



Data & Power

Components Required	Data Only	Power Only	Data & Power	See Page
1. LDP/LD/LDS or CD Raceway	X			C10-C13
2. LDP or LDS Raceway		X		C10-C11
3. LD2P10 Multichannel Raceway			X	C16
4. U.S. Standard Screw-On Electrical/Communication Faceplate(s) (single or double gang available)	X	X	X	A3
5. Standard Communication Module Frame(s)	X		X	vii
6. NEMA Standard Rectangular Outlet(s)		X	X	A4
7. Low Voltage Surface Mount Outlet Boxes (7 styles to choose from)	X			E3
8. Power Rated Surface Mount Outlet Boxes (5 styles to choose from)		X		E4
9. Divided Power Rated Surface Mount Outlet Boxes (3 styles to choose from)			X	E5

Note: For data area(s) and fill capacity information see page C17-C18

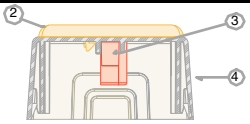
NEW!

Optional for Power

- Surface Mount Outlet Box includes box, 20A outlet and cover in duplex rectangular or 106 styles

Components Required	Power Only		See Page
1. LDP or LDS Raceway	X		C10-C11
2. 20A Low Profile Rectangular or 106 Style Surface Mount Outlet Boxes (include box, 20A outlet & self cover)	X		A4

4 U.S. Standard Screw-On Communication Faceplates



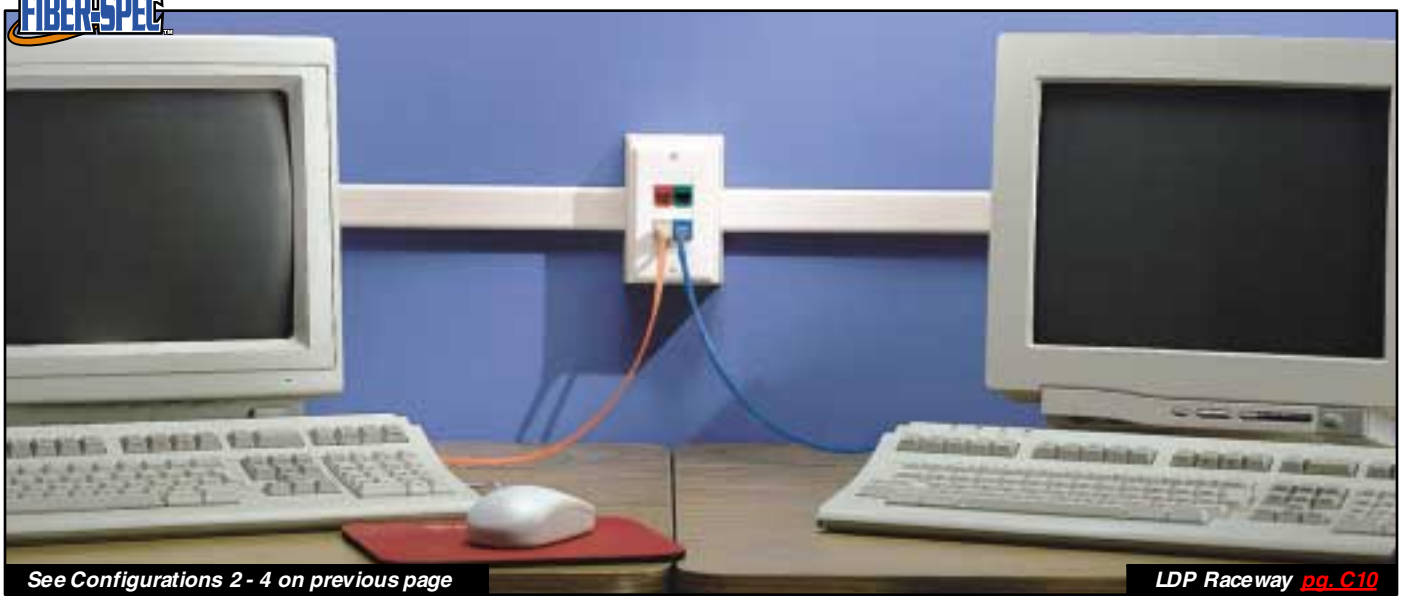
- Uses selected manufacturers' standard communication faceplates
- Panduit® Styles available, for more information refer to page xii

Components Required	Data Only		See Page
1. LDP/LD/LDS or CD Raceway	X		C10-C13
2. Most Mfg. U.S. Screw-On Standard Communication Faceplates (see page listed for Panduit styles)	X		—
3. Manufacturers' inserts and/or modules	X		—
4. Low Voltage Surface Mount Outlet Box (7 styles to choose from)	X		E3

Note: For data area(s) and fill capacity information see page C17-C18

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ LD Profile Raceways—System Features



LDP raceway is part of our ***FIBER-SPEC***™ raceway family. ***FIBER-SPEC*** raceways are designed specifically for high performance structured cabling systems. They provide the TIA/EIA required bend radius, security/tamper resistance, and access to the required one meter of fiber slack.

The standard depth power surface mount outlet box provides a durable, secure way of mounting electrical devices and faceplates.

The deep one-piece surface mount outlet box provides the extra space needed to maintain the TIA/EIA required bend radius.

The unique right angle entrance end fitting allows cables to enter through the wall into the raceway, while maintaining the TIA/EIA required bend radius.

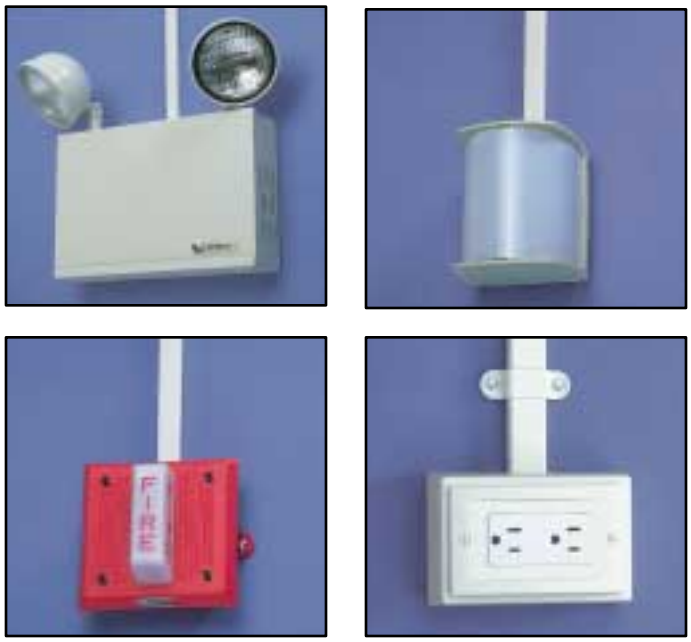
New! multichannel LD2P10 is a convenient way to route both power and data cables to a computer work station. It provides lowest installed cost by eliminating the need for multiple boxes and faceplates.

The New! Double Gang Divided Surface Mount Outlet Boxes when used with module frames place data & power outlets at the same convenient location.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ LD Profile Raceways—System Features

The Drop Ceiling/Entrance End fitting allows for a transition out of the ceiling and into any LD Profile raceway (LDS5 shown) without having to cut the metal ceiling support.

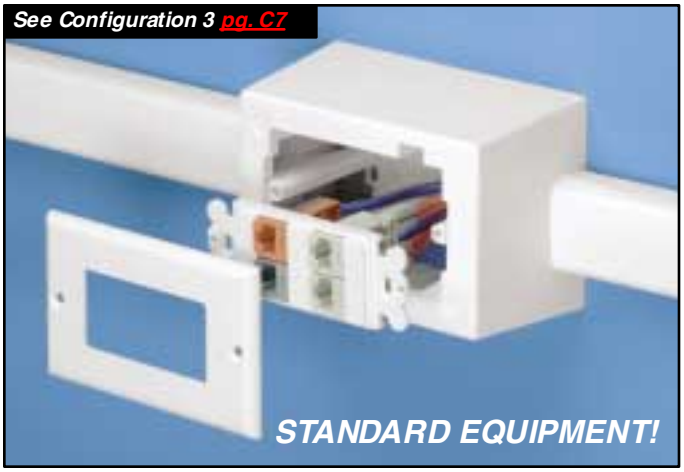


LD Profile raceways may be used in a variety of applications including fire alarms, security, emergency lighting and power. (LDS3 & LDS5 raceway shown)

The LDS can be transitioned to and from LDP (as shown above) to get around obstacles on the wall.

The one-piece Type LDS raceway is **bendable** and allows you to get around obstacles such as conduit, existing raceway, mouldings, and offsets in the wall (in low voltage applications.)

LDS has the same external dimensions as all the LD Profile raceways and works with the same fittings. This allows for the transition to LDS, bend around the object, then transition back to LD, LDP, or CD.



As with all Panduit Raceways standard devices and faceplates are readily accepted.

Our New ***FAST-SNAP***™ Surface Mount Outlet Boxes accept ***PAN-WAY*** Snap-On Faceplates to provide lowest installed cost.

PAN-WAY™ Type LDP Surface Raceway

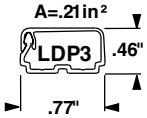
PAN-WAY Type LDP Surface Raceway is a single channel raceway designed to route, protect and conceal data, voice, video, fiber-optic or power cabling.

Type LDP Raceway Benefits:

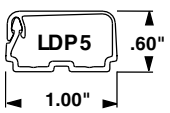
- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- Extremely tamper resistant latch for School & University applications
- One-piece hinged design allows cables to be laid in
- Factory applied adhesive backing speeds installation
- NEW! Now FT-4 Rated for Canada

NEW Sizes!

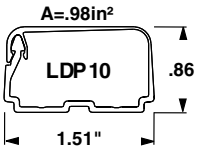
LDP3



LDP5



LDP10



Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors[u]
8 ft. lengths		**10 ft. lengths**		
LDP3—Surface Raceway				
LDP3IW8-A	160ft.	LDP3IW10-A	200ft.	Off White
LDP5—Surface Raceway				
LDP5IW8-A	160ft.	LDP5IW10-A	200ft.	Off White
LDP10—Surface Raceway				
LDP10IW8-A	160ft.	LDP10IW10-A	200ft.	Off White
Tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.				

NOTE: LDP Raceway requires screw mounting if it is being used for power cabling applications.

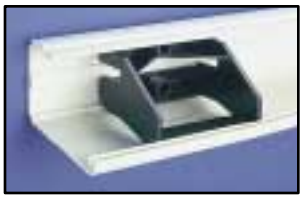
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See page C14-C15 for fittings

LD/LDP/LD2P Raceway Installation Tool

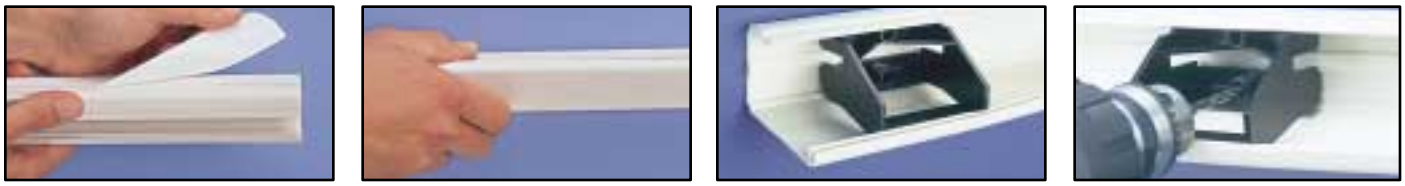
NEW!



Part Number	Description		Std. Pkg. Qty.	Std. Ctn. Qty.
LDP Raceway Installation Tool				
LDW3-V	Optional installation tool for use with Type LD3/LDP3 raceways.	Serves as guide for drill bit in screw mount applications. Holds LD/LDP/LD2P raceway cover open during installation	5 pcs.	50 pcs.
LDW5-V	Optional installation tool for use with Type LD5/LDP5 raceways.		5 pcs.	50 pcs.
LDW10-V	Optional installation tool for use with Type LD10/LDP10/LD2P10 raceways.		5 pcs.	50 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Optional Mounting Method



Raceway mounts easily to smooth, clean interior surfaces, however, not all surfaces are suitable for adhesive mounting. In these applications, use the foam tape as a temporary mounting means. Insert the raceway installation tool to facilitate screw installation.

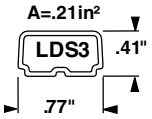
PAN-WAY™ Type LDS Surface Raceway

PAN-WAY Type LDS Surface Raceway is a single channel, solid one-piece, economical raceway designed to route, protect and conceal data, voice, video or power cabling.

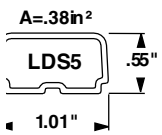
Type LDS Raceway Benefits:

- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- NEW! Now FT-4 Rated for Canada
- Type LDS is **the only non-metallic raceway that is bendable** in low voltage applications to route around and over obstructions
- Extreme tamper resistance
- Factory applied adhesive backing speeds installation

LDS3



LDS5



Part Number	Description	Std. Ctn. Qty.	Colors[u]
	10 ft. lengths		
LDS3—Surface Raceway			
LDS3IW10-A	Tamper resistant one-piece surface raceway. Supplied with pre-applied adhesive backed tape.	200 ft.	Off White
LDS5—Surface Raceway			
LDS5IW10-A	Tamper resistant one-piece surface raceway. Supplied with pre-applied adhesive backed tape.	200 ft.	Off White

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

NOTE: LDS Raceway requires screw mounting using the LMD Mounting Straps if it is being used for power cabling applications.

NOTE 2: LMD Mounting Straps are recommended in low voltage applications for use near a bend in Type LDS raceway.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See *page C14-C15* for fittings

Method for Bending Type LDS Raceway (Low Voltage Applications)

Step 1: Slide 18 to 30" section of LDS Raceway into PVC pipe heating blanket.* (Recommend blanket designed for bending 1/2" to 1 1/2" PVC conduit.)

*Heating blanket not provided by Panduit®

Step 2: Allow section to heat approximately 2-3 minutes. Raceway will be soft and pliable but should not stretch. (Time will vary with blanket temperature and raceway size.)

Step 3: Remove raceway section from blanket and hold in desired position until the raceway cools. Install mounting straps immediately.

Accessories — Mounting Straps

- Straps are made of 94V-0 impact resistant ABS/polycarbonate material
- Wide enough to be used as coupler between raceway sections

Part Number	Used with LDS & LDP Size	Description	Colors[u]	Std. Pkg Qty.	Std. Ctn. Qty.
LMD—Mounting Straps					
LMD3IW-Q	Size 3	Mounted to raceway when running power cables to provide complete tamper resistance and comply with UL listing requirements.	Off White	25 pcs.	100 pcs.
LMD5IW-Q	Size 5		Off White	25 pcs.	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ Type LD Surface Raceway

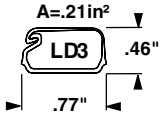
PAN-WAY Type LD Surface Raceway is a single channel raceway designed to route, protect and conceal data, voice and video cabling.

Type LD Raceway Benefits:

- One-piece hinged design allows cables to be laid in
- NEW! Now FT-4 Rated for Canada
- Factory applied adhesive backing speeds installation

NEW Sizes!

LD3

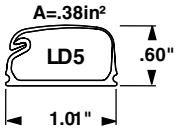


LD3—Surface Raceway

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors[u]
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
LD3IW6-A	120 ft.	**LD3IW8-A**	160 ft.	**LD3IW10-A**	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), and BR (Brown). Contact factory for details.

LD5

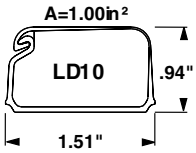


LD5—Surface Raceway

6 ft. lengths		8 ft. lengths		10 ft. lengths		
LD5IW6-A	120 ft.	**LD5IW8-A**	160 ft.	**LD5IW10-A**	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), BR (Brown), and BL (Black). Contact factory for details.

LD10



LD10—Surface Raceway

6 ft. lengths		8 ft. lengths		10 ft. lengths		
LD10IW6-A	120 ft.	**LD10IW8-A**	160 ft.	**LD10IW10-A**	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See *page C14-C15* for fittings

PAN-WAY™ Type CD Surface Raceway

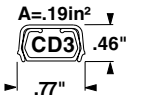
PAN-WAY Type CD Surface Raceway is a single channel, two-piece raceway, designed to route, protect and conceal data, voice and video cabling.

Type CD Raceway Benefits:

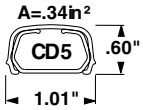
- Unique base design allows wires to be laid in
- Factory applied adhesive backing on base speeds installation
- NEW! Now FT-4 Rated for Canada

CD Surface Raceway Cover—6 ft Lengths

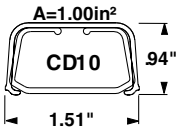
CD3



CD5



CD10



Part Number	Description	Colors[u]	Std. Length	Std. Ctn. Qty.
CD—Raceway Cover				
CD3IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases.	Off White	6 ft.	120ft.
CD5IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases. This size also snaps onto screw mounted metal base below.	Off White	6 ft.	120ft.
CD10IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases. This size also snaps onto screw mounted metal base below.	Off White	6 ft.	120ft.

[u] All parts listed in Off White (IW) color. To order Electrical Ivory substitute EI for IW in above part numbers. Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

CD Surface Raceway Base—6 ft Lengths, Short Pieces & Metal Base Clips

CDB

CDC

Part Number	Used with Raceway Cover	Description	Std. Length	Std. Ctn. Qty.
CD—6' Lengths Adhesive Backed Base (for mounting on smooth surfaces)				
CDB36-A CDB56-A CDB106-A	CD3 CD5 CD10	For increased adhesion and impact resistance. Cables are laid into base prior to the cover being snapped on.	6 ft.	120ft.
CD—Short Pieces Adhesive Backed Base				
CDB3S-A-L CDB5S-A-L CDB10S-A-L	CD3 CD5 CD10	For lighter loads. Cables are laid into base prior to the cover being snapped on. Recommended minimum of 4 pieces for each 6 feet of cover.	1.5 in. 2.0 in. 2.0 in.	50 pcs.
CD—Screw Mounted Metal Base Clips (For mounting on uneven surfaces)				
CDC5-L CDC10-L	CD5 CD10	Cables are laid into base clips prior to the cover being snapped on. Recommended minimum of 4 pieces per each 6 feet of cover. *Recommend #6 or #8 screw*	—	50 pcs.

ORDERING INFORMATION:
Order number of feet/pieces required in multiples of Standard Length Increment or Standard Carton Quantity.

See *page C14-C15* for fittings

Standard Fittings for Low Voltage Applications


CF


ICF

OCF


RAF


ECF


TF


DCF


RF

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	CF3IW-E	20 pcs.	CF5IW-E	20 pcs.	CF10IW-X	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	ICF3IW-E	20 pcs.	ICF5IW-E	20 pcs.	ICF10IW-X	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	OCF3IW-E	20 pcs.	OCF5IW-E	20 pcs.	OCF10IW-X	10 pcs.	Off White	100 pcs.
Right Angle Fitting	RAF3IW-E	20 pcs.	RAF5IW-E	20 pcs.	RAF10IW-X	10 pcs.	Off White	100 pcs.
End Cap Fitting	ECF3IW-E	20 pcs.	ECF5IW-E	20 pcs.	ECF10IW-X	10 pcs.	Off White	100 pcs.
Tee Fitting	TF3IW-E	20 pcs.	TF5IW-E	20 pcs.	TF10IW-X	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	DCF3IW-X	10 pcs.	DCF5IW-X	10 pcs.	DCF10IW-X	10 pcs.	Off White	100 pcs.
Reducer Fitting	RF5X3IW-E	20 pcs.	RF10X5IW-X	10 pcs.	RF10X3IW-X	10 pcs.	Off White	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in Size 5 ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

1" Bend Radius Fittings for TIA/EIA Compliance


CFX


OCFX

ICFC


RAFC

ECFX


TFC


DCEFX


RFX


RAEFX

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	CFX3IW-X	10 pcs.	CFX5IW-X	10 pcs.	CFX10IW-X	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	ICFC3IW-X	10 pcs.	ICFC5IW-X	10 pcs.	ICFC10IW-X	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	OCFX3IW-X	10 pcs.	OCFX5IW-X	10 pcs.	OCFX10IW-X	10 pcs.	Off White	100 pcs.
Right Angle Fitting	RAFC3IW-X	10 pcs.	RAFC5IW-X	10 pcs.	RAFC10IW-X	10 pcs.	Off White	100 pcs.
End Cap Fitting	ECFX3IW-X	10 pcs.	ECFX5IW-X	10 pcs.	ECFX10IW-X	10 pcs.	Off White	100 pcs.
Tee Fitting	TFC3IW-X	10 pcs.	TFC5IW-X	10 pcs.	TFC10IW-X	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	DCEFXIW-X	10 pcs.	DCEFXIW-X	10 pcs.	DCEFXIW-X	10 pcs.	Off White	100 pcs.
Right Angle Entrance End	RAEFXIW-X	10 pcs.	RAEFXIW-X	10 pcs.	RAEFXIW-X	10 pcs.	Off White	100 pcs.
Reducer Fitting	RFX53IW-X	10 pcs.	RFX105IW-X	10 pcs.	RFX103IW-X	10 pcs.	Off White	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Power Rated Fittings for Power to 600V


CFX

OCFC


ICFX


RAFX

ECFX


TFX


DCEFX


RFX


RAEFX

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	**CFX3IW-X**	10 pcs.	**CFX5IW-X**	10 pcs.	**CFX10IW-X**	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	**ICFX3IW-X**	10 pcs.	**ICFX5IW-X**	10 pcs.	**ICFX10IW-X**	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	**OCFC3IW-X**	10 pcs.	**OCFC5IW-X**	10 pcs.	**OCFC10IW-X**	10 pcs.	Off White	100 pcs.
Right Angle Fitting	**RAFX3IW-X**	10 pcs.	**RAFX5IW-X**	10 pcs.	**RAFX10IW-X**	10 pcs.	Off White	100 pcs.
End Cap Fitting	**ECFX3IW-X**	10 pcs.	**ECFX5IW-X**	10 pcs.	**ECFX10IW-X**	10 pcs.	Off White	100 pcs.
Tee Fitting	**TFX3IW-X**	10 pcs.	**TFX5IW-X**	10 pcs.	**TFX10IW-X**	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	**DCEFXIW-X**	10 pcs.	**DCEFXIW-X**	10 pcs.	**DCEFXIW-X**	10 pcs.	Off White	100 pcs.
Right Angle Entrance End	**RAEFXIW-X**	10 pcs.	**RAEFXIW-X**	10 pcs.	**RAEFXIW-X**	10 pcs.	Off White	100 pcs.
Reducer Fitting	**RFX53IW-X**	10 pcs.	**RFX105IW-X**	10 pcs.	**RFX103IW-X**	10 pcs.	Off White	100 pcs.

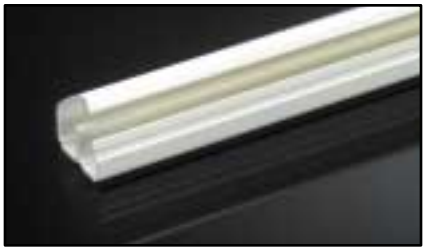
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

PAN-WAY™ Type LD2P Multi-Channel Surface Raceway

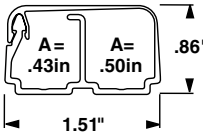
PAN-WAY Type LD2P Surface Raceway is a two channel raceway designed to route, protect and conceal data, voice, video, fiber-optic **and** power cabling.



Type LD2P Raceway Benefits:

- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- NEW! Now FT-4 Rated for Canada
- Routes Power & Data together!
- Extremely tamper resistant latch for School & University applications
- One-piece hinged design allows cables to be laid in
- Factory applied adhesive backing speeds installation

LD2P10



NEW!

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors[u]
LD2P10—Surface Raceway				
8 ft. lengths		**10 ft. lengths**		
LD2P10IW8-A	160ft.	**LD2P10IW10-A**	200ft.	Off White
Two channel tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.				

NOTE: LD2P Raceway requires screw mounting if it is being used for power cabling applications

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See page C10 for LDW10-V Installation Tool.

Multi-Channel Fittings for Multi-Channel Power & Low Voltage Applications

NEW!

EEFX

Part Number	Description	Colors[u]	Std. Pkg. Qty.	Std. Ctn. Qty.
CFX10IW-X	Coupler Fitting	Off White	10 pcs.	100 pcs.
ICFX10IW-X	Inside Corner Fitting	Off White	10 pcs.	100 pcs.
OCFX10IW-X	Outside Corner Fitting	Off White	10 pcs.	100 pcs.
RAFX10IW-X	Right Angle Fitting	Off White	10 pcs.	100 pcs.
ECFX10IW-X	End Cap Fitting	Off White	10 pcs.	100 pcs.
TFXD10IW-X	Tee Fitting with Divided Insert	Off White	10 pcs.	100 pcs.
EEFXIW	Entrance End Fitting	Off White	1 pc.	10 pcs.

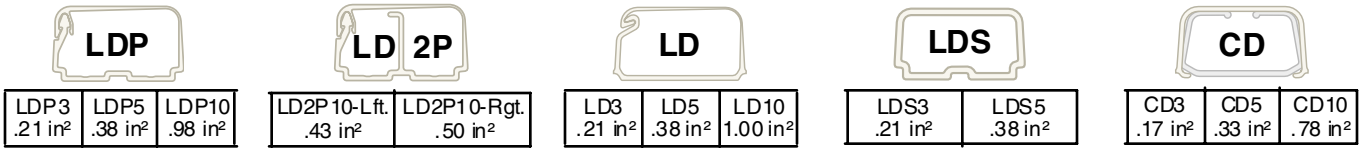
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Fill Capacities for LD Profile Raceways

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Type	Electrical Cables			Voice Grade Cables						Data Grade Cables			
	14	12	10	24 AWG UTP CM/CMR						24 AWG/UTP CM			
	THHN/T90			2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
	0.105	0.122	0.153	DIA.=0.120		DIA.=0.150		DIA.=0.190		DIA.=0.422		DIA.=0.217	
	FILL			FILL		FILL		FILL		FILL		FILL	
	MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	•	•	•	7	11	4	7	2	4	—	—	2	3
LD5	•	•	•	13	20	8	12	5	8	1	1	4	6
LD10	•	•	•	35	53	22	33	14	21	2	4	10	16
LDP3	9	6	4	7	11	4	7	2	4	—	—	2	3
LDP5	10	8	5	13	20	8	12	5	8	1	1	4	6
LDP10*	12	7	5	34	51	22	13	14	20	2	4	10	15
LD2P10-Left Channel	14	11	8	15	22	9	14	6	9	1	1	4	6
LD2P10-Rgt. Channel	**	**	**	17	26	11	16	7	10	1	2	5	8
LDS3	9	6	4	7	11	4	7	2	4	—	—	2	3
LDS5	10	8	5	13	20	8	12	5	8	1	1	4	6
CD3	•	•	•	6	9	3	5	2	3	—	—	1	2
CD5	•	•	•	11	17	7	11	4	6	—	1	3	5
CD10	•	•	•	27	41	17	20	11	16	2	3	8	12

* LDP10 raceway not approved for use with T90 wire; NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration; • Not power rated

Fill Capacity Table for: ·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·Type 1A STP

Raceway Type	Data Grade Cables													
	24 AWG				22 AWG								Type 1A 22 AWG STP CM	
	STP CM				UTP CM				STP CM					
	25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
	DIA.=0.512		DIA.=0.250		DIA.=0.544		DIA.=0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
LD5	—	1	2	4	—	—	3	5	—	—	2	3	1	1
LD10	1	2	8	12	1	2	9	13	1	1	6	9	2	4
LDP3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
LDP5	—	1	2	4	—	—	3	5	—	—	2	3	1	1
LDP10*	1	2	7	11	1	2	9	13	1	1	6	9	2	3
LD2P10-Left Channel	—	1	3	5	—	2	3	5	—	—	2	4	1	1
LD2P10-Rgt. Channel	—	1	4	6	—	1	4	6	—	—	3	4	1	2
LDS3	—	—	1	2	—	—	1	2	—	—	—	1	—	—
LDS5	—	1	2	4	—	—	3	5	—	—	2	3	—	—
CD3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
CD5	—	—	2	4	—	—	3	4	—	—	2	3	—	1
CD10	1	2	6	9	1	2	7	10	—	1	4	7	2	3

NOTE: See page xiv-xv for further explanation of wirefill data.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Fill Capacities for LD Profile Raceways

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

LDP3 .21 in²	LDP5 .38 in²	LDP10 .98 in²

LD2P10-Lft. .43 in²	LD2P10-Rgt. .50 in²

LD3 .21 in²	LD5 .38 in²	LD10 1.00 in²

LDS3 .21 in²	LDS5 .38 in²

CD3 .17 in²	CD5 .33 in²	CD10 .78 in²

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for: ·Coax Cables

Raceway Type	Coax Cables									
	RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
	DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
	FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	1	2	—	—	2	4	1	2	2	3
LD5	2	3	1	1	5	7	3	4	3	5
LD10	6	10	3	4	13	20	8	13	9	13
LDP3	1	2	—	—	2	4	1	2	2	3
LDP5	3	4	1	1	5	7	3	4	3	5
LDP10*	6	10	3	4	13	20	8	12	9	13
LD2P10-Left Channel	3	4	1	1	5	8	3	5	4	6
LD2P10-Rgt. Channel	3	5	1	2	6	10	4	6	4	7
LDS3	1	2	—	—	2	4	1	2	2	3
LDS5	2	3	1	1	5	7	3	4	3	5
CD3	1	1	—	—	2	3	1	2	2	3
CD5	2	3	1	1	4	6	2	4	4	5
CD10	5	8	2	3	10	15	6	10	9	13

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Type	Fiber Optic Cables (62.5/125mm)						Signal Cables							
	2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
	DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
	FILL		FILL		FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	3	5	4	5	2	3	24	36	32	49	42	64	55	82
LD5	6	9	6	9	4	6	44	66	59	89	77	116	99	149
LD10	16	24	16	24	11	17	6	175	156	235	203	305	263	394
LDP3	3	5	3	5	2	3	25	37	32	49	42	64	55	82
LDP5	6	9	6	9	4	6	44	67	59	89	77	116	99	149
LDP10	16	24	16	16	11	16	114	171	153	270	199	299	257	386
LD2P10-Left Channel	7	10	7	11	4	7	50	75	67	101	87	131	113	169
LD2P10-Rgt. Channel	8	12	8	12	5	8	58	87	78	117	101	152	131	197
LDS3	3	5	3	5	2	3	24	36	32	49	42	64	55	82
LDS5	6	9	6	9	4	6	44	66	59	89	77	116	99	149
CD3	2	4	4	6	1	2	19	29	26	39	34	51	44	67
CD5	5	8	7	10	3	5	38	57	51	77	67	100	86	130
CD10	12	19	17	25	9	13	91	136	122	183	158	238	205	307

NOTE: See page xiv-xv for further explanation of wirefill data.

PAN-WAY™ Type PD Surface Raceways

Type PD for Power or Communications Cabling

PAN-WAY Type PD Surface Raceway provides a complete system for routing and protecting either power or communication cabling.

Type PD Raceway is a two piece, low profile, single channel raceway system.

Type PD Raceway offers exceptional tamper resistance.

Panduit *PAN-WAY* Type PD Raceway provides the following key benefits:

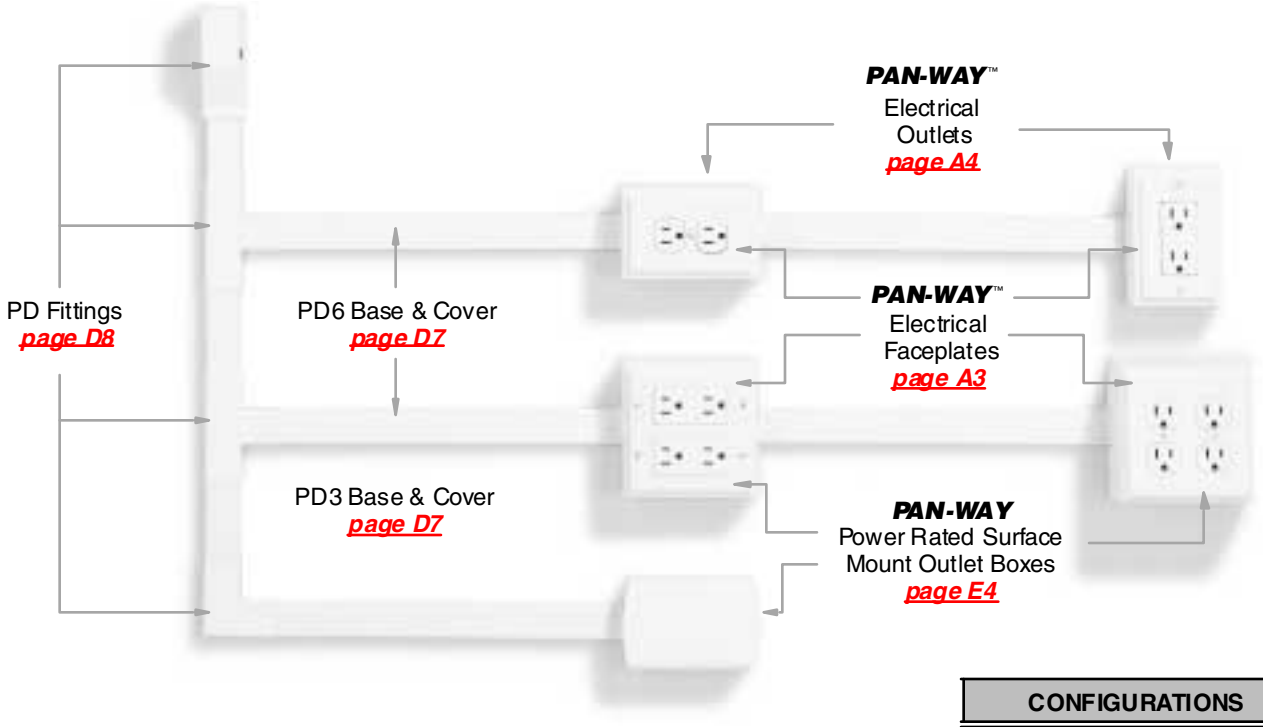
- UL-5A Listed to 600 V and CSA 22.2 No. 62-93 Listed to 300 V
- Superior tamper resistance, ideal for school and university applications
- Extremely impact resistant
- 2 sizes to meet your application requirements
- Four standard colors available to blend with surrounding decor
- Selection of fittings to speed installation
- Available in 6', 8' and 10' lengths

Table of Contents

Additional Related Products

PAN-WAY™ Type PD Raceways—Roadmap

Power ONLY Applications

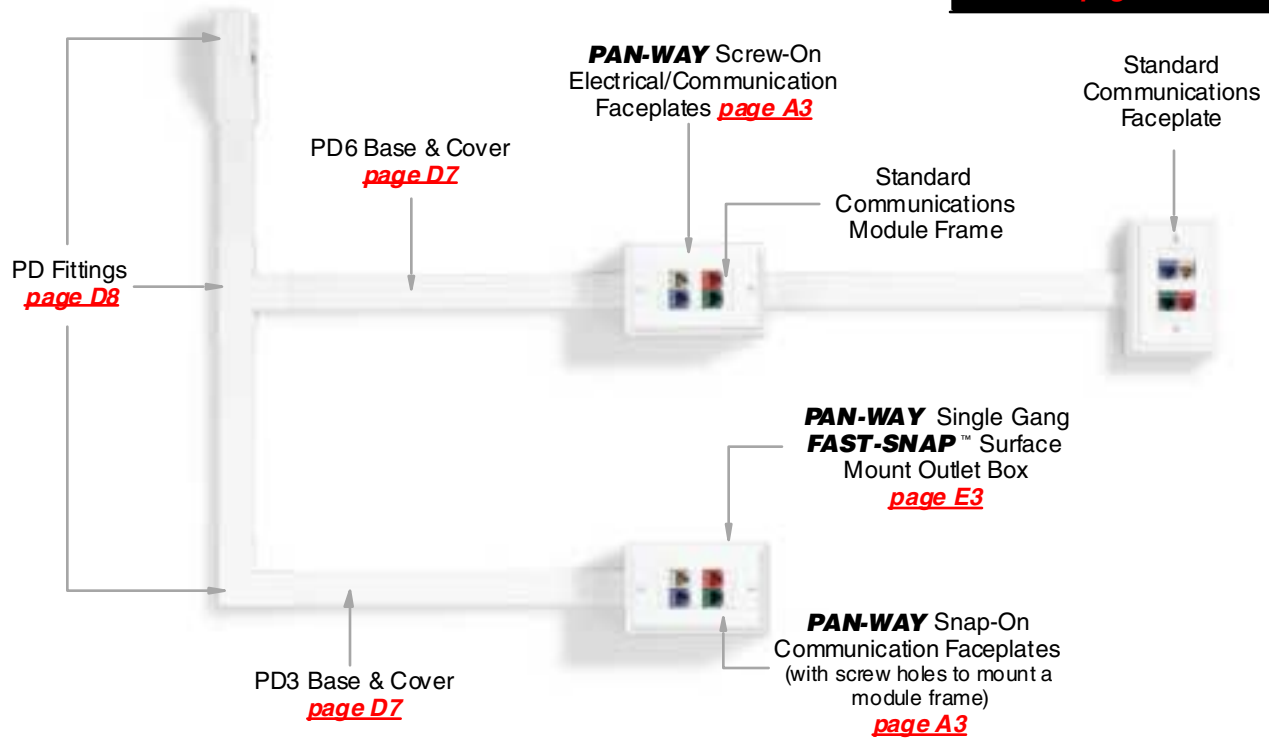


CONFIGURATIONS

1 2 3 4

See page D4-E5

Data ONLY Applications



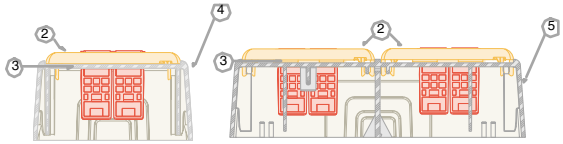
PAN-WAY™ PD Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

1 PAN-WAY Snap-On Electrical/Communications Faceplates

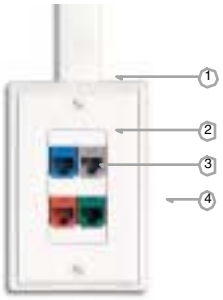
Configurations for this faceplate style not currently available.

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)

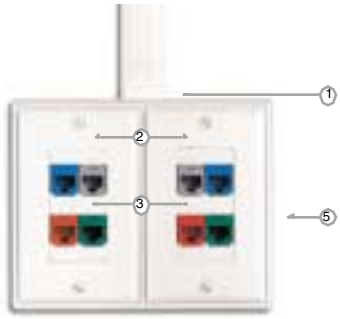


Data Only (A) Data Only (B)

- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on **page vii**)
- ***FAST-SNAP***™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation



Data Only (A)



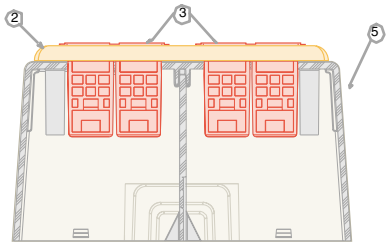
Data Only (B)

	Components Required	Data (A)	Data (B)	See Page
1.	PD3 or PD6 Raceway	X	X	D7
2.	Snap-On Electrical/Communication Faceplate(s) (with screw holes to mount a module frame)	X	X	A3
3.	Standard Communication Module Frame(s)	X	X	vii
4.	Single Gang ***FAST-SNAP*** Outlet Box	X		E3
5.	Double Gang ***FAST-SNAP*** Outlet Box		X	E3
6.	Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X	X	E5

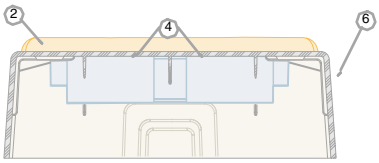
Note: For data area(s) and fill capacity information see page D9-D10

PAN-WAY™ PD Raceway Configurations Cont'd

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

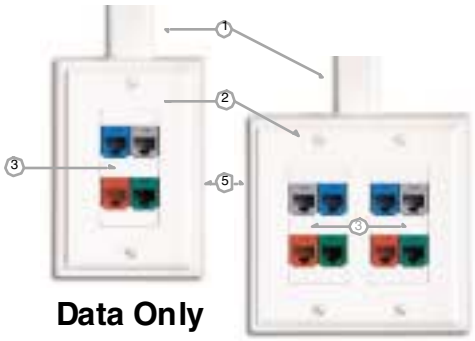


Data Only



Power Only

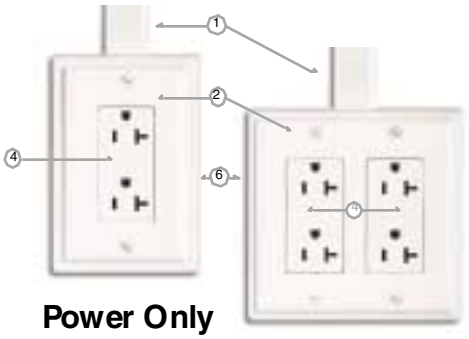
- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)



Data Only

	Components Required	Data Only	Power Only		See Page
1.	PD3 or PD6 Raceway	X	X		D7
2.	U.S. Standard Screw-On Electrical/Communication Faceplate(s) (single or double gang available)	X	X		A3
3.	Standard Communication Module Frame(s)	X			vii
4.	PAN-WAY Electrical Outlet(s) (ERU20 shown)		X		A4
5.	Low Voltage Surface Mount Outlet Boxes (7 styles to choose from)	X			E3
6.	Power Rated Surface Mount Outlet Boxes (5 styles to choose from)		X		E4
7.	Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X	X		E5

Note: For data area(s) and fill capacity information see *page D9-D10*



Power Only

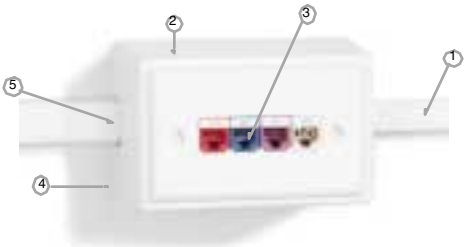
NEW!

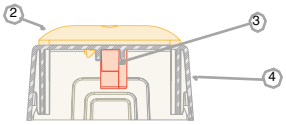
Optional for Power

- 20A Low Profile Surface Mount Outlet Box includes box, 20A outlet and cover in duplex rectangular or 106 styles

	Components Required	Power Only		See Page
1.	PD3 or PD6 Raceway	X		D7
2.	20A Low Profile Rectangular or 106 Style Surface Mount Outlet Boxes (include box, 20A outlet & self cover)	X		A4
3.	Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X		E5

4 U.S. Standard Screw-On Communication Faceplates





- Uses selected manufacturers' standard communication faceplates
- Panduit® Styles available, for more information refer to ***page xii***

	Components Required	Data Only		See Page
1.	PD3 or PD6 Raceway	X		D7
2.	Most Mfg. U.S. Screw-On Standard Communication Faceplates (see page listed for Panduit styles)	X		—
3.	Manufacturers' inserts and/or modules	X		—
4.	Low Voltage Surface Mount Outlet Box (7 styles to choose from)	X		E3
5.	Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X		E5

Note: For data area(s) and fill capacity information see *page D9-D10*

PAN-WAY™ Surface Raceway Applications

PAN-WAY **Type PD Surface Raceway is ideal for power or low voltage cabling applications. It can be used anywhere power or low voltage cabling is required including offices, factories, schools, universities, etc.**

NEMA Standard Faceplates can be mounted to surface mount outlet boxes for use with Type PD Raceway in network cabling applications.

The "Flexible" fitting can be used to route Type PD Raceway installation around or over obstacles. (See page D8)

Type PD Raceway can be connected directly to conduit with the "Entrance End" fitting. (See page D8)

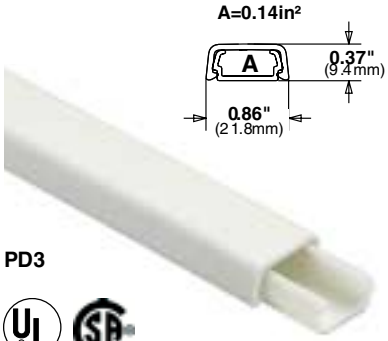
PAN-WAY™ Type PD Surface Raceway

PAN-WAY Type PD Surface Raceway is a single channel raceway system to route, protect and conceal power, data, voice, or video cabling.

PD System Benefits:

- **UL-5A Listed** to 600 V and CSA 22.2 No. 62-93 Listed to 300 V
- NEW! Now FT-4 Rated for Canada
- Extremely tamper resistant for School & University applications

Type PD Raceway Bases and Covers



PD3

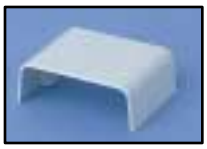
PD6

6 ft. Part Number	Std. Ctn. Qty.	8 ft. Part Number	Std. Ctn. Qty.	10 ft. Part Number	Std. Ctn. Qty.	Color[u]
Type PD3 Raceway Base and Cover						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD3IW6	120 ft.	**PD3IW8**	160 ft.	**PD3IW10**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base without adhesive backing. Cover Dimensions: .86(21.8mm)x.37(9.4mm)						
Type PD3 Raceway Base and Cover - Adhesive Backed						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD3IW6-A	120 ft.	**PD3IW8-A**	160 ft.	**PD3IW10-A**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base with pre-applied adhesive backing to speed installation.						
Type PD6 Raceway Base and Cover						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD6IW6	**120 ft.**	**PD6IW8**	160 ft.	**PD6IW10**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base without adhesive backing. Cover Dimensions: 1.33(33.8mm)x.46(11.6mm)						
Type PD6 Raceway Base and Cover - Adhesive Backed						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD6IW6-A	120 ft.	**PD6IW8-A**	160 ft.	**PD6IW10-A**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base with pre-applied adhesive backing to speed installation.						

[u] All parts listed in Off White (IW) color. To order Electrical Ivory substitute EI for IW in above part numbers. Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.
NOTE: Type PD Raceway Base requires screw mounting if it is being used for power cabling applications.

PAN-WAY Type PD Raceway Fittings

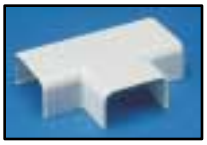

Coupler Fitting


Inside Corner Fitting


Right Angle Fitting


Entrance End Fitting
Breakout for 1/2" conduit


Outside Corner Fitting


Tee Fitting


Flexible Fittings


Flexible Fittings


End Cap Fitting


Wire Retainer
For use with PD6 Raceway

Part Number	Description	Color[u]	Std. Pkg. Qty.	Std. Ctn. Qty.
PCF3IW-X	Type PD3 – Coupler Fitting	Off White	10 pcs.	100 pcs.
PCF6IW-X	Type PD6 – Coupler Fitting	Off White	10 pcs.	100 pcs.
PICF3IW-X	Type PD3 – Inside Corner Fitting	Off White	10 pcs..	100 pcs.
PICF6IW-X	Type PD6 – Inside Corner Fitting	Off White	10 pcs.	100 pcs.
PRAF3IW-X	Type PD3 – Right Angle Fitting	Off White	10 pcs.	100 pcs.
PRAF6IW-X	Type PD6 – Right Angle Fitting	Off White	10 pcs.	100 pcs.
PEEF36IW-X	Type PD3 and PD6 – Entrance End Fitting	Off White	10 pcs.	100 pcs.
POCF3IW-X	Type PD3 – Outside Corner Fitting	Off White	10 pcs.	100 pcs.
POCF6IW-X	Type PD6 – Outside Corner Fitting	Off White	10 pcs.	100 pcs.
PTF3IW-X	Type PD3 – Tee Fitting	Off White	10 pcs.	100 pcs.
PTF6IW-X	Type PD6 – Tee Fitting	Off White	10 pcs.	100 pcs.
PFF36EI18	Type PD3 and PD6 – Flexible Fitting for “Raceway to Raceway”	Elec. Ivory	1 pc.	10 pcs.
PFBC36EI18	Type PD3 and PD6 – Flexible Fitting for “Raceway to Conduit Junction Box”	Elec. Ivory	1 pc.	10 pcs.
PECF3IW-X	Type PD3 – End Cap Fitting	Off White	10 pcs.	100 pcs
PECF6IW-X	Type PD6 – End Cap Fitting	Off White	10 pcs.	100 pcs.
PWR6-X	PD6 Wire Retainer	Natural	10 pcs.	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

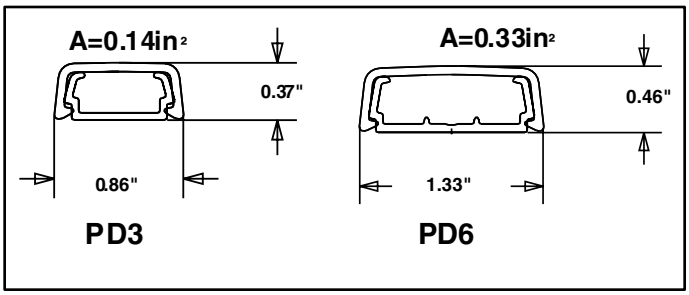
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fill Capacities for Type PD Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill*—the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill*—the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*



Fill Capacity Table for:

·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Configurations	Electrical Cables			Voice Grade Cables						Data Grade Cables			
	AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
	14	12	10	2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
	THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
	0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
	MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	5	4	—	5	7	3	5	2	3	—	—	2	2
PD6	10	7	5	12	18	7	11	5	7	—	—	4	5
PD6 with retainer	10	7	5	7	11	5	7	3	4	—	—	2	3

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Fill Capacity Table for:

·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·Type 1A STP

Raceway Channel Configurations	Data Grade Cables													
	24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
	25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
	DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
	FILL		FILL		FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	—	—	1	2	—	—	1	2	—	—	—	—	—	—
PD6	—	—	3	4	—	—	3	5	—	—	2	3	—	—
PD6 with retainer	—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Fill Capacities for Type PD Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*

Fill Capacity Table for:
·Coax Cables

Raceway Channel Configurations	Coax Cables									
	RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
	DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
	FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	—	—	—	—	2	3	1	2	1	2
PD6	2	3	—	—	5	7	3	4	3	4
PD6 with retainer	—	—	—	—	3	4	—	—	—	—

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Configurations	Fiber Optic Cables (62.5/125mm)						Signal Cables							
	2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
	DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
	FILL		FILL		FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	2	3	2	3	2	2	16	25	22	33	29	43	37	55
PD6	5	8	5	8	4	6	39	58	52	78	67	101	87	130
PD6 with retainer	3	5	3	5	2	4	25	37	33	49	43	64	55	83

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Raceway Cutting Instructions:

·For Type PD Raceway, use Panduit Cutting Tool, Part No. SRT found on *page H1*.

Alternative method: For small quantities, use a fine tooth handsaw. For larger quantities, a fine tooth saw (10" dia., high speed steel, 1/16" thick, hollow ground to 2" collar diameter, 300 tooth, alternate top bevel, 14", no set blade) will produce good results.

PAN-WAY™ Surface Mount Outlet Boxes

PAN-WAY Surface Mount Outlet Boxes are available to mount, conceal and terminate power and communication cables with **PAN-WAY** Plastic Surface Raceway.

All are available in colors to match or complement the raceway.

Surface Mount Outlet Boxes

- One-gang and two-gang styles for fiber optic, low voltage and power applications
- New **FAST-SNAP**™ boxes and faceplates provide screwless installations
- Provide access to length of cable to facilitate termination
- Compatible with LD Profile or PD Raceways
- Power rated boxes UL 5A Listed to 600V and CSA Certified to 300V
- Select styles available in 6 colors
- **FAST-SNAP** boxes available in 4 colors

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PAN-WAY™ FAST-SNAP™ Surface Mount Outlet Boxes

NEW! Communication Only!

Accept *Snap-On* Faceplates!

JB1FS**-A

NEW! Power & Communication!

Accept *Snap-On* Faceplates!

JBP2FS

5A LISTED

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang *FAST-SNAP* Low Voltage Surface Mount Outlet Box				
JB1FSIW-A	Single gang snap-together cover and base with adhesive backing. Accepts ***PAN-WAY*** Snap-On Faceplates for data applications. L=5.00" W=3.26" H=1.62" Conduit breakouts: 1", ¾", ½" For use with single channel raceways.	Off White	1 pc.	10 pcs.
Double Gang *FAST-SNAP* Power Rated Surface Mount Outlet Box				
JBP2FSIW	Double gang snap-together cover and base. Accepts ***PAN-WAY*** Snap-On Faceplates for power and data applications. L=5.00" W=6.14" H=1.62" Conduit breakouts: 1", ¾", ½" For use with multi-channel raceways.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY Low Voltage Surface Mount Outlet Boxes

NEW!

New Improved Design!

JBX3510**-A

JB1**-A

JB1D**-A

NEW!

JBP2

5A LISTED

NEW!

JBP2D

5A LISTED

RJBX3510

JBA-X

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang Two-Piece Snap-Together Box				
JBX3510IW-A	Two-Piece box with adhesive backing. L=5.02" W=3.27" H=1.62" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Single Gang One-Piece Box				
JB1IW-A	One-Piece Box with adhesive backing. L=5.09" W=3.34" H=1.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Single Gang One-Piece Deep Box				
JB1DIW-A	One Piece Deep Box with adhesive backing. L=5.23" W=3.48" H=2.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Double Gang Two-Piece Box				
JBP2IW	Double Gang Box base & cover (screws included). L=5.05" W=5.05" H=1.62" Conduit breakouts: ¾", ½"	Off White	1 pc.	10 pcs.
Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box base, cover and divider wall (screws included). L=5.14" W=5.18" H=2.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Round Two-Piece Box				
RJBX3510IW	Round Box base & cover (screws not included). DIA: 5.25" H=1.05" Conduit breakouts: 1", ¾"	Off White	1 pc.	10 pcs.
Round Box Adapter				
JBA-X	Adapts single gang surface mount outlet boxes to in-wall conduit boxes.		1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

PAN-WAY™ Power Rated Surface Mount Outlet Boxes

NEW!

JBP1E

Low Profile Box

JBP1

JBP1I

NEW!

JBP1D

JBP2

NEW!

JBP2D

PSJBX

PRJBX36

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Power Rated Single Gang Two-Piece Low Profile Box				
JBP1EIW	Single Gang Low Profile Box—base and cover. L= 4.99" W=3.30" H=1.00" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Box				
JBP1IW	Single Gang Box—base and cover. L= 5.19 W=3.45" H=1.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Intermediate Box				
JBP1IIW	Single Gang Intermediate Box—base and cover. L= 5.12" W=3.38" H=2.27" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Deep Box				
JBP1DIW	Single Gang Deep Box—base and cover. L= 5.19" W=3.26" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Box				
JBP2IW	Double Gang Box—base & cover (screws included). L= 5.05" W=5.05" H=1.62" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box—base, cover and divider wall (screws included). L= 5.19" W=5.19" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Two-Piece Power Source Box				
PSJBXIW	Power Source Box—base & cover (screws not included). L= 5.02" W=3.27" H=1.31" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Two-Piece Round Box				
PRJBX36IW	Round Outlet Box—base & cover (screws not included). Dia: 5.25" H=1.05" Conduit breakouts: ¾", 1"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

PAN-WAY™ Divided Surface Mount Outlet Boxes

JBP1D

JBD1

JBP2S

JBP2D

JBD2

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Power Rated Single Gang Two-Piece Deep Box				
JBP1DIW	Single Gang Deep Box—base and cover. L=5.19" W=3.26" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Single Gang Pass Through Divider for LD2P10 Raceway				
JBD1	Pass through divider allows power & communications outlets to be routed in series. Used with JBP1D box. Must use with LD2P10 Raceway.	—	1 pc.	10 pcs.
Power Rated Double Gang Three-Piece Divided Box				
JBP2SIW	Double Gang Box—base, cover and divider wall for power and data applications (screws included). L=5.05" W=5.05" H=1.62" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box—base, cover and divider wall (screws included) L=5.19" W=5.19" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Double Gang Pass Through and Divider for LD2P10 Raceway				
JBD2	Pass through divider allows power & communications outlets to be routed in series. Used with JBP2D box. Must use with LD2P10 Raceway.	—	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

Raceway Adapters

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Raceway Adapters for LD Profile Raceways				
CA3IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with Types LDP3, LD3, and LDS3 raceways.	Off White	10 pcs.	100 pcs.
CA5IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with Types LDP5, LD5, and LDS5 raceways.	Off White	10 pcs.	100 pcs.
Raceway Adapters for PD Raceways				
BA3IW-X	Fits into LD10 breakout of most ***PAN-WAY*** Surface Mount Outlet Boxes. For use with Type PD3 raceway.	Off White	10 pcs.	100 pcs.
BA6IW-X	Fits into LD10 breakout of most ***PAN-WAY*** Surface Mount Outlet Boxes. For use with Type PD3 raceway.	Off White	10 pcs.	100 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

SELECTION CHART

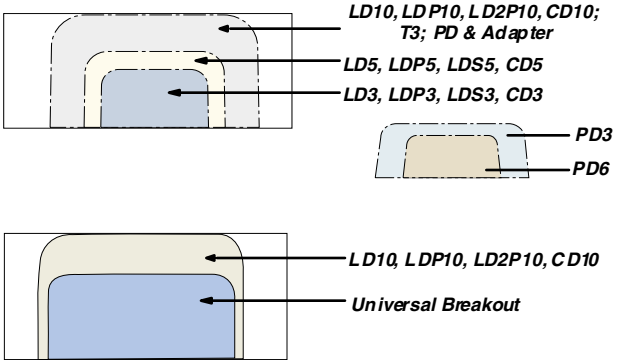
Selection Chart for using *PAN-WAY*™ Plastic Surface Raceways with *PAN-WAY* Surface Mount Outlet Boxes

How to use this chart:

1) Locate the desired ***PAN-WAY*** Raceway in the left column.
2) Locate the desired box in the top row.
3) Locate the intersecting space to see if they can be used together.
4) Color indicates proper box breakout (or adapter for PD raceway.)

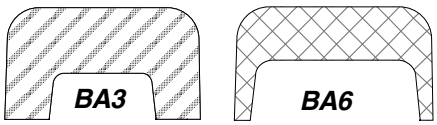
	PAN-WAY Outlet Boxes									***PAN-WAY*** Fittings
	Low Voltage ONLY		Power or Low Voltage							
	JB1, JB1D, JB1FS, JBX3510	RJBX3510	JBP1	JBP1D	JBP1E	JBP1I, JBP2	JBP2S, JBP2D, JBP2FS	PRJBX36	PSJBX	T3TRANS, RAEFX, DCEFX
Type LD (Low Voltage ONLY)										
LD3	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA3
LD5	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA5
LD10	Y	Y	Y	Y	N	Y	Y	N	Y	Y
Type LDP (Power or Low Voltage)										
LDP3	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA3
LDP5	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA5
LDP10	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
Type LDS (Power or Low Voltage)										
LDS3	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA3
LDS5	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA5
Type LD2P10 (Power and Low Voltage)										
LD2P10	N	N	N	Y w/JBD1	N	N	Y	N	N	N
Type CD (Low Voltage ONLY)										
CD3	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA3
CD5	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA5
CD10	Y	Y	Y	Y	N	Y	Y	N	Y	Y
Type PD (Power or Low Voltage)										
PD3	Y w/BA3	N	Y w/BA3	Y w/BA3	Y w/BA3	Y w/BA3	Y w/BA3	Y	N	N
PD6	Y w/BA6	N	Y w/BA6	Y w/BA6	Y w/BA6	Y w/BA6	Y w/BA6	Y	N	N
Type T3 Transition Fitting (Power or Low Voltage)										
T3 Transition Fitting	Y	N	Y	Y	Y	Y	Y	N	Y	N

Breakout Schemes



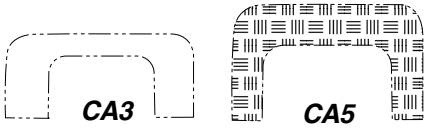
Adapters

PD Adapters



BA3 & BA6 adapters found on page E5. Adapters fit LD10 Breakout.

LD Adapters



CA3 & CA6 adapters found on page E5. Adapters fit Universal Breakout.

NEW! PAN-WAY™ TE-70 Non-Metallic Surface Raceway
for Power and Communications Cabling

PAN-WAY TE-70 Surface Raceway provides a complete system for routing, protecting and terminating both your communications and power cabling systems.

The multi-channel design keeps electrical and communication cables separated. This gives you the flexibility to install power cables first, then easily add communication cables later.

Type TE-70 Raceway is tamper-resistant while also allowing you access for moves, adds and changes.

Panduit *PAN-WAY* TE-70 Raceway provides the following key benefits:

- Large Capacity for power and communication applications
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Covers and fittings are extremely tamper resistant
- **New!** Snap-On Electrical/Communication Faceplates require less hardware for quick terminations and lower installed cost
- Four standard colors available to complement any surrounding decor

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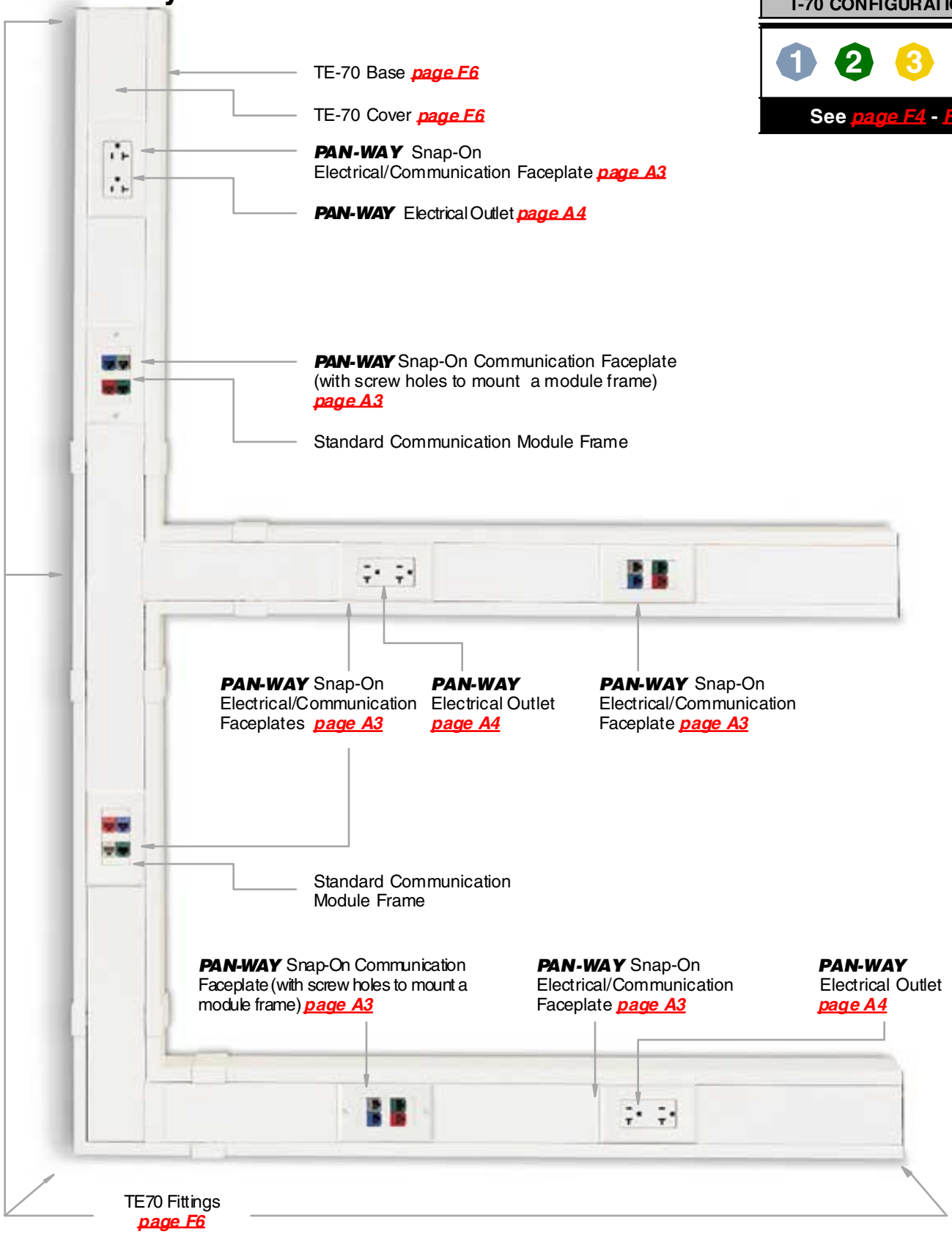
PAN-WAY™ TE-70 Non-Metallic Raceway—Roadmap

TE-70 System

T-70 CONFIGURATIONS

1 2 3 4

See page F4 - F5

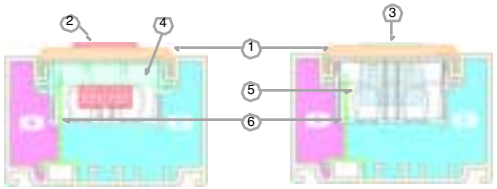


PAN-WAY™ TE-70 Raceway Configurations

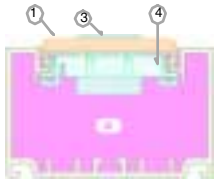
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

Base: page F6
Cover: page F6
Fittings: page F6

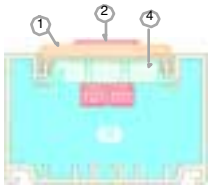
1 PAN-WAY Snap-On Electrical/Communications Faceplates



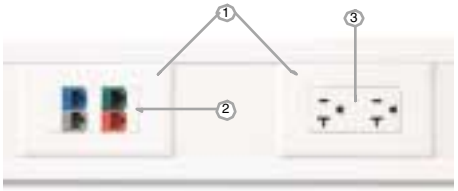
Data & Power



Power Only



Data Only

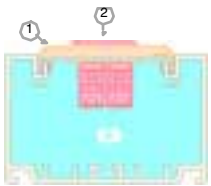


- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	1.65	3.66
Data Only	—	6.80
Power Only	7.20	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	Snap-On Electrical/Comm. Faceplate(s) (T70PG shown)	X	X	X	*A3*
2.	Standard Communication Module Frame	X		X	*vii*
3.	***PAN-WAY*** Electrical Outlet (ERU20)		X	X	*A4*
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	*F7*
5.	Hanging Box (TE70HB shown)			X	*F7*
6.	Divider Wall (TE70DW shown)			X	*F6*

2 PAN-WAY Snap-On Communication Faceplates (with screw holes for module frames)



Data Only

- Faceplate requires no mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data Only	—	7.33

	Components Required	Data Only		See Page
1.	Snap-On Communication Faceplate (with screw holes for mounting module frame) (T70PGS shown)	X		*A3*
2.	Standard Communications Module Frame	X		*vii*

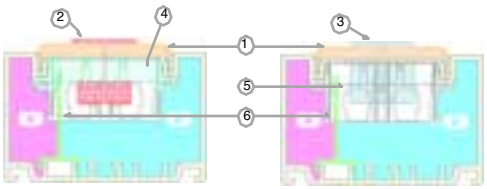
Note: For power and data applications use with configuration #1 above or with configuration #3 shown on next page

PAN-WAY™ TE-70 Raceway Configurations Cont'd

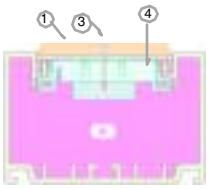
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

Base: page F6
Cover: page F6
Fittings: page F6

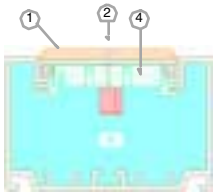
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



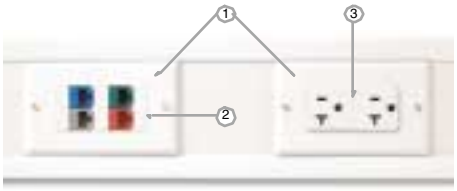
Data & Power



Power Only



Data Only

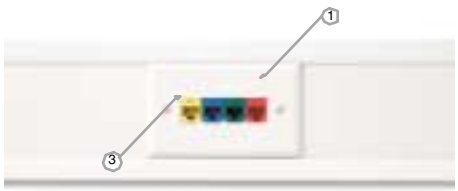


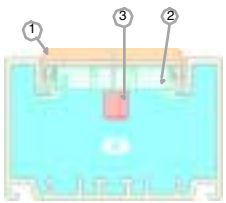
- U.S. Standard screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	1.65	3.66
Data Only	—	6.80
Power Only	7.20	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	*A3-A4*
2.	Standard Communication Module Frame	X		X	*vii*
3.	PAN-WAY Electrical Outlet (ERU20)		X	X	*A4*
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	*F7*
5.	Hanging Box (TE70HB shown)			X	*F7*
6.	Divider Wall (TE70DW shown)			X	*F6*

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' communication faceplates
- Panduit® Styles available, for more information refer to *page xii*

Areas (in²)	A	B
Data Only	—	7.18

	Components Required	Data Only		See Page
1.	Most Mfg. U.S. Screw-On Standard Comm. Faceplate	X		—
2.	Device Mounting Bracket (T70DB-X shown)	X		*F7*
3.	Manufacturers' inserts and/or modules	X		—

Note: For power and data applications use with configuration #3 above or with configuration #1 shown on previous page

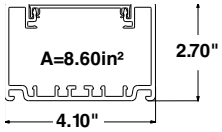
Type TE-70 Surface Raceway Base & Cover

PAN-WAY Type TE-70 Surface Raceway is a large capacity, multi-channel system used to route, protect, and conceal data, voice, video and power cabling systems.

Type TE-70 System Benefits:

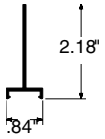
- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Extremely tamper resistant
- Compatible with:
  - —***PAN-WAY*** Snap-On Faceplates
  - —Any U.S. Standard Screw-On Electrical/Communication Faceplates

TE70B



TE70C

TE70DW



NEW!

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
Type TE-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
TE70BIW8	32 ft.	**TE70BIW10**	40 ft.	Off White
TE-70 Raceway Base in 8 or 10 ft lengths supplied with pre-punched mounting holes.				
Type T-70 Raceway Cover				
T70CIW8	96 ft.	**T70CIW10**	120 ft.	Off White
TE-70 Raceway tamper resistant cover in 8 or 10 ft lengths.				
Type TE-70 Divider Wall				
TE70DW8	64 ft.	**TE70DW10**	80 ft.	Lt. Gray

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type TE Raceway Fittings

TE70CFB

TE70CC

TE70IFC

TE70TF

TE70TD

TE70OCB

TE70OCC

TE70RAF

TEC105

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
TE70CFBIW-X	Base Coupler Fitting (2 halves = 1 piece)	Off White	10 pcs.	100pcs.
TE70CCIW-X	Cover Coupler Fitting	Off White	10 pcs	100pcs.
TE70ICFIW	Inside Corner Fitting	Off White	1 pc.	10 pcs.
TE70TFIW	Tee Fitting	Off White	1 pc.	10 pcs.
TE70TD	Raceway Divider Insert (power and data applications) Separates power and data cabling within tee fitting	Gray	1 pc.	10 pcs.
TE70OCBIW	Outside Corner Base Fitting	Off White	1 pc.	10 pcs.
TE70OCCIW	Outside Corner Cover Fitting	Off White	1 pc.	10 pcs.
TE70RAFIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
TEC105IW	End Cap Fitting Concentric conduit breakouts: ¾", ½"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

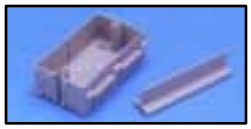
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type TE-70 Raceway Accessories


TMB105-X


T70DB-X


TE70HB


T70WR-X

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket				
TMB105-X	Brackets are attached to wall. TE-70 raceway is then snapped onto brackets.	—	10 pcs.	100 pcs.
Device Mounting Bracket				
T70DB-X	Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates.	Gray	10 pcs.	100 pcs.
Hanging Box				
TE70HB	Used to mount NEMA standard single gang electrical outlets or devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway.	Gray	1 pc.	10 pcs.
Wire Retainer				
T70WR-X	Holds wires in place. Will not interfere with cover installation.	Gray	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

PAN-WAY™ Snap-On Faceplates

for use with TE-70 Raceway

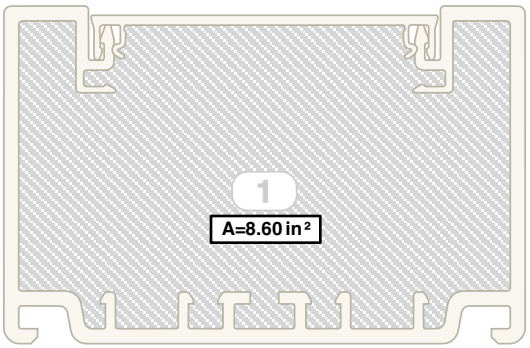
- TE-70 is fully compatible with ***PAN-WAY*** Snap-On Faceplates
- Available for Communication and Electrical Applications

PAN-WAY Snap-On Faceplates

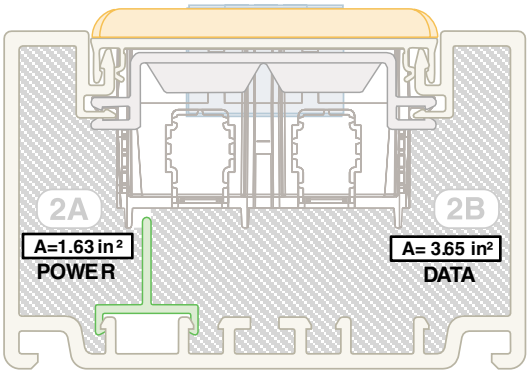
Electrical/Communication Faceplates A3
Electrical/Communication Faceplates
(with screw holes to mount a module frame) . A3

Fill Capacities for TE-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

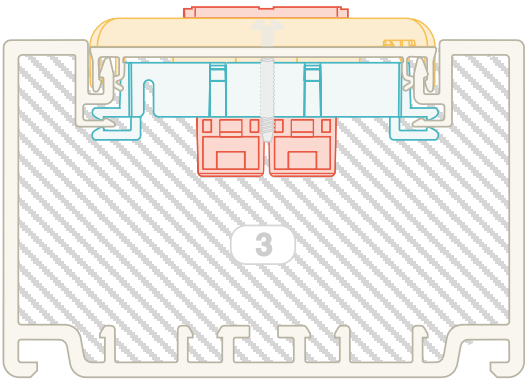


Wirefill #1: TE-70 Raceway with no devices



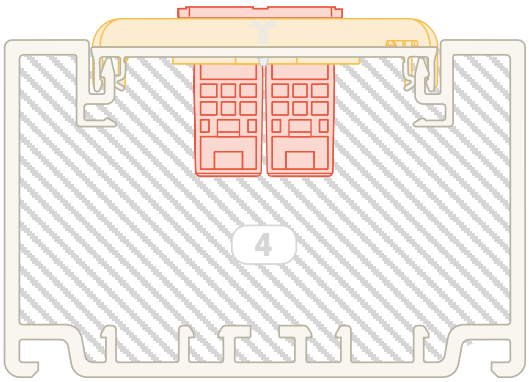
Wirefill #2: Power & Data using Hanging Box and Device Bracket

Includes: Hanging Box, Divider Wall, Wire Retainer, T70P Faceplate, Snap-On Electrical/Communication Faceplate, Not shown for clarity: U.S. Standard Electrical Outlet, Standard Communication Module Frame and Communication Modules.



Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate, Standard Communication Module Frame, and Communication Modules



Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame, and Communication Modules

Fill Capacities for TE-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page F8.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	28	24	20	304	456	195	292	121	182	25	37	93	140
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	17	14	14	58	87	37	55	23	35	5	7	18	26
	2B	**	**	**	129	194	83	124	52	77	10	16	39	59
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	**	**	**	252	378	161	242	100	151	20	31	77	116
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	**	**	**	293	439	187	281	117	175	24	35	89	134

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	17	25	70	105	15	22	80	120	11	16	54	80	24	36
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	3	5	13	20	3	4	15	23	2	3	10	15	4	7
	2B	7	11	30	45	6	9	34	51	5	7	23	34	10	15
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	14	21	58	87	12	18	66	99	9	13	44	67	20	29
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	16	24	67	101	14	21	77	115	10	16	52	77	23	34

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for TE-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page F8.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for: ·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	60	90	27	40	118	176	75	112	75	112
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	11	17	5	8	22	33	14	21	14	21
	2B	26	38	11	17	50	75	32	48	32	48
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	50	75	22	33	97	146	62	93	62	93
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	58	87	26	39	113	170	72	108	72	108

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	143	215	143	215	99	149	1006	1509	1349	2023	1753	2629	2264	3395
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	27	41	27	41	19	28	191	286	256	383	332	498	429	644
	2B	61	91	61	91	42	63	427	640	572	859	744	1116	961	1441
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	118	178	118	178	82	123	833	1249	1117	1675	1451	2177	1874	2811
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	138	206	138	206	96	143	967	1451	1297	1946	1686	2528	2177	3265

NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

PAN-WAY™ T Surface Raceway

Type T for Power and Communications Cabling (including Fiber Optic Cables)

PAN-WAY Type T Surface Raceway provides a complete system for routing, protecting and terminating both your communications and power cabling systems. The multi-channel design keeps electrical and communications cables separated. This gives you the flexibility to install power cables first, then easily add communication cables later. Type T Raceway is tamper-resistant while also allowing you access for moves, adds and changes.

Panduit *PAN-WAY* T Raceway provides the following key benefits:

- Large capacity multi-channel raceway for power and communications applications
- Superior tamper resistance, ideal for school and university applications
- Two sizes to match your application needs
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Wide selection of fittings to speed installation
- A selection of molded covers for power and/or communications cabling

Compatible with:

- Standard communication module frames used with ***PAN-WAY*** faceplates
- ***PAN-WAY*** Snap-On Faceplates for communications cabling
- Most manufacturers' standard faceplates
- A selection of Pre-cut Covers are available for mounting standard NEMA electrical outlets and faceplates (for T130 only)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

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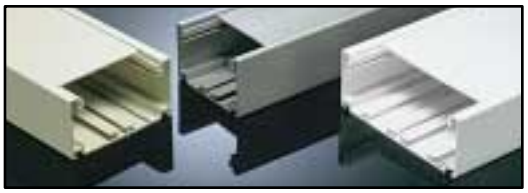
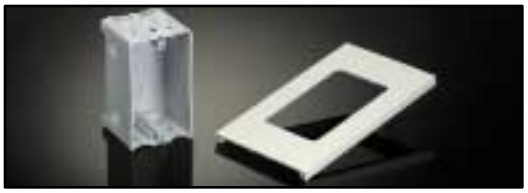
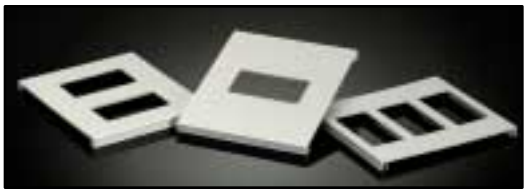
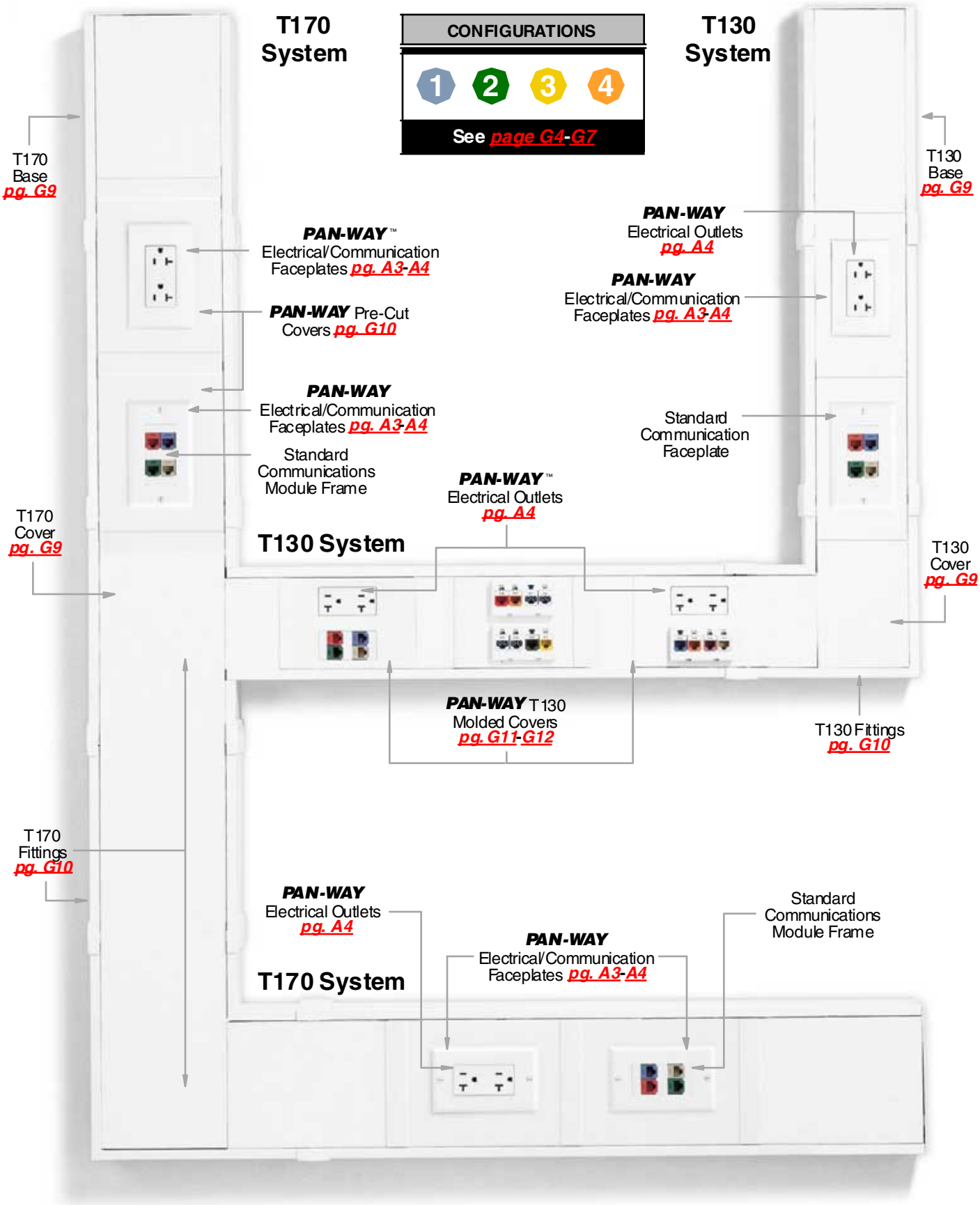




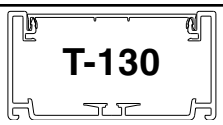


PAN-WAY™ Type T Raceway Roadmap



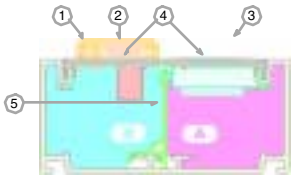
PAN-WAY™ Type T130 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

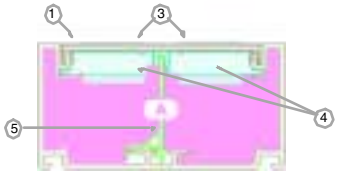


Base: page G9
Cover: page G9
Fittings: page G10

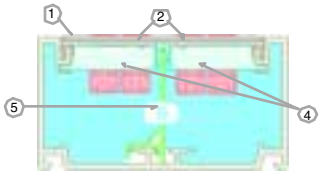
1 *Alternative* — T130 Snap-On Electrical/Communications Faceplates



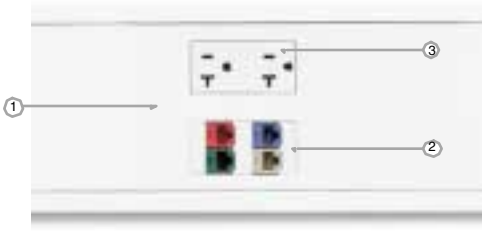
Data & Power



Power Only



Data Only



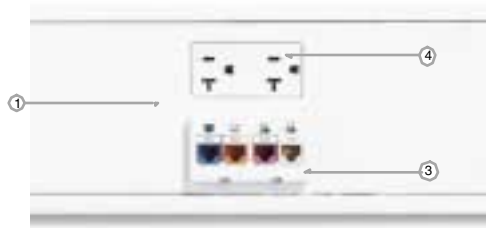
Data & Power Shown

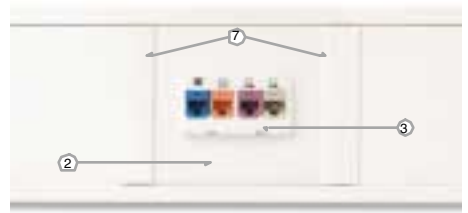
Areas (in²)	A	B
Data & Power	3.94	3.30
Data Only	—	6.82
Power Only	7.67	—

- Snap-On Faceplates provide a superior appearance (no screws required)
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Components Required	Data Only	Power Only	Data & Power	See Page
1. T130 Snap-On Electrical/Communication Faceplate(s) (T130RMC2 shown)	X	X	X	G11-G12
2. Standard Communication Module Frame	X		X	vii
3. ***PAN-WAY*** Electrical Outlet (ERU20 shown)		X	X	A4
4. (2) Gangable Device Mounting Brackets (T130DBD shown)	X	X	X	G12
5. Divider Wall (TD688 shown)	X	X	X	G9

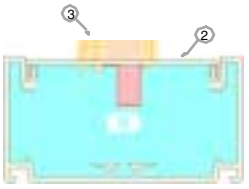
2 *Alternative* — T130 Snap-On Covers for Modular Furniture Faceplates





Areas (in²)	A	B
Data & Power	4.00	4.55
Data Only	—	10.34

Data & Power



Data Only

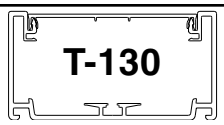
- Compatible with modular furniture faceplates with a cutout dimension 2.42" x 4.06"
- Panduit® Styles available, for more information refer to bottom of *page xii*

Components Required	Data Only		Data & Power	See Page
1. T130 Snap-On Electrical/Communication Faceplate (for modular furniture faceplates) (T130TRMC shown)			X	G11
2. T130 Punched Cover (T130K1 shown)	X			G11
3. Most manufacturers' modular furniture faceplates	X		X	—
4. ***PAN-WAY*** Electrical Outlet (ERU20 shown)			X	A4
5. Hanging Device Bracket (T130DB-X shown)			X	G11
6. Divider Wall (TD688 shown)			X	G9
7. Cover Couplers (TCFC130 shown)	X			G10

Note: For power only applications see configuration #1 above or configuration #3 shown on next page

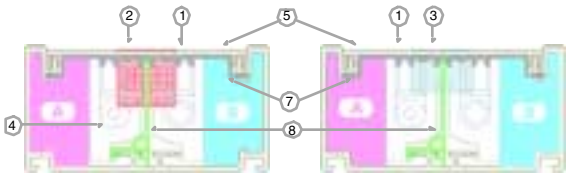
PAN-WAY™ T130 Raceway Configurations Cont'd

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

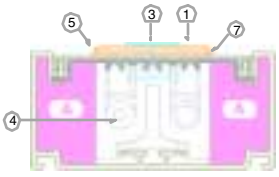


Base: page G9
Cover: page G9
Fittings: page G10

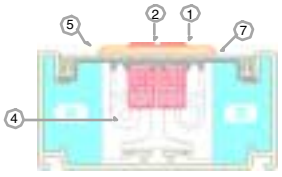
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



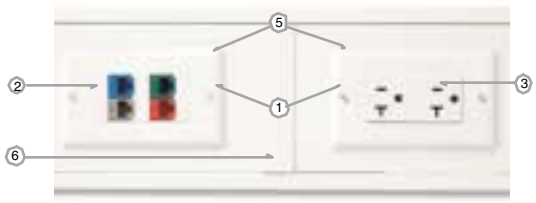
Data & Power



Power Only



Data Only

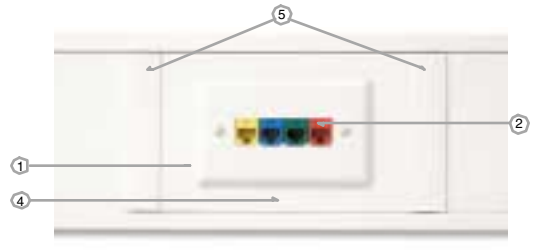


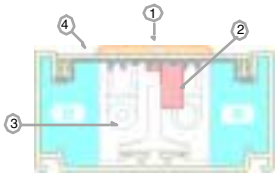
Areas (in²)	A	B
Data & Power	2.56	2.56
Data Only	—	2.56(x2)
Power Only	2.56(x2)	—

- U.S. standard screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	*A3*
2.	Standard Communication Module Frame	X		X	*vii*
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	*A4*
4.	Type T Box (TB5883 shown)	X	X	X	*G10*
5.	Pre-cut cover (T130G shown)	X	X	X	*G10*
6.	T130 cover coupler fitting (TCFC130 shown)	X	X	X	*G10*
7.	Wire retainer (TWR130 shown)			X	*G9*
8.	Divider Wall (TD688 shown)			X	*G9*

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' communication faceplates
- Panduit® Styles available, for more information refer to *page xii*

Areas (in²)	A	B
Data Only	—	2.56(x2)

	Components Required	Data Only		See Page
1.	Most Mfg. U.S. Standard Screw-On Comm. Faceplate(s)	X		—
2.	Manufacturers' inserts and/or modules	X		—
3.	Type T Box (TB5883 shown)	X		*G10*
4.	Pre-cut cover (T130G shown)	X		*G10*
5.	T130 cover coupler fitting (TCFC130 shown)	X		*G10*

Note: For power only or power and data applications use power components from configuration #3 above.

PAN-WAY™ Type T170 Raceway Configurations

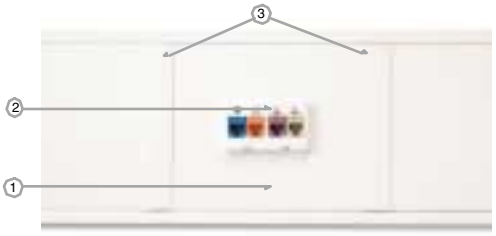
Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

Base: *page G9*
Cover: *page G9*
Fittings: *page G10*

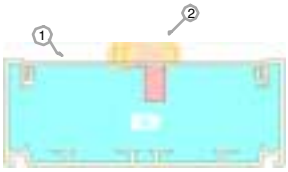
1 *Alternative* — T170 Snap-On Electrical/Communications Faceplates

This solution is not available for T170

2 *Alternative* — T170 Snap-On Covers for Modular Furniture Faceplates



Areas (in²)	A	B
Data Only	—	13.66



Data Only

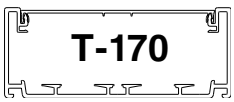
- Compatible with modular furniture faceplates with a cutout dimension = 1.375" x 2.71"
- Panduit® Styles available, for more information refer to bottom of *page xii*

Components Required	Data Only	Data & Power	See Page
1. T170 Punched Cover (T170K1 shown)	X		*G11*
2. Most manufacturers' modular furniture faceplates	X	X	—
3. Cover Couplers (TCFC170 shown)	X		*G10*

Note: For power only applications see configuration #3 shown on next page

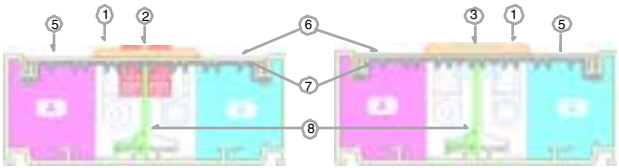
PAN-WAY™ T170 Raceway Configurations Cont'd

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).



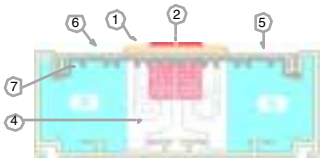
Base: page G9
Cover: page G9
Fittings: page G10

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

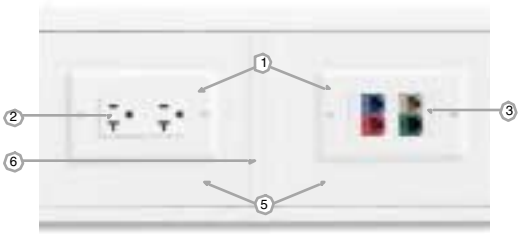


Data & Power

Power Only



Data Only

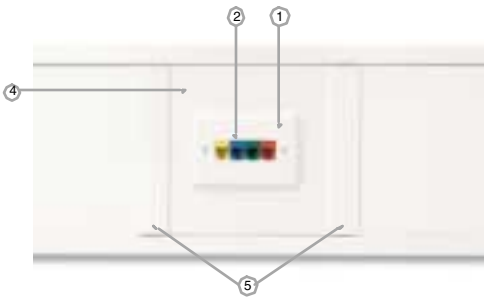


Areas (in²)	A	B
Data & Power	4.25	4.25
Data Only	—	4.25(x2)
Power Only	4.25(x2)	—

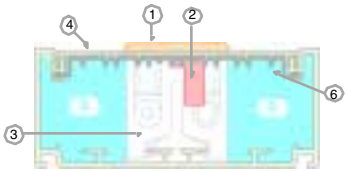
- U.S. Standard Screw-On Electrical/Communication faceplate is used
- Can use most manufacturers' communication module frames (see chart on ~~page vii~~)

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	~~A3-A4~~
2.	Standard Communication Module Frame	X		X	~~vii~~
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	~~A4~~
4.	Type T Box (TB5583 shown)	X	X	X	~~G10~~
5.	Pre-cut cover (T170G shown)	X	X	X	~~G10~~
6.	T170 cover coupler fitting (TCFC170 shown)	X	X	X	~~G10~~
7.	Wire retainer (TWR170 shown)			X	~~G9~~
8.	Divider Wall (TD388 shown)			X	~~G9~~

4 U.S. Standard Screw-On Communication Faceplates



Areas (in²)	A	B
Data Only	—	4.25(x2)



Data Only

- Panduit® Styles available, for more information refer to ~~page xii~~

	Components Required	Data Only		See Page
1.	Most Mfg. U.S. Standard Screw-On Comm. Faceplate	X		—
2.	Manufacturers' inserts and/or modules	X		—
3.	Type T Box (TB5883 shown)	X		~~G10~~
4.	Pre-cut cover (T170G shown)	X		~~G10~~
5.	T170 cover coupler fitting (TCFC170 shown)	X		~~G10~~
6.	Wire retainer (TWR170 shown)	X		~~G9~~

Note: For power only or power and data applications use power components from configuration #3 above.

PAN-WAY™ Surface Raceway Applications

With a large capacity and multichannel capability, ***PAN-WAY*** Type T Surface Raceway can integrate both power and communication cabling systems while maintaining a neat and professional appearance throughout a testing lab.

A wide selection of fittings and device covers are available to speed installation and terminations.

To further organize cables, use Type T Raceway in conjunction with ***PANDUCT***® Type G Wiring Duct to route and conceal device cable slack.

PAN-WAY Type T Surface Raceway, with it's durable construction, can be used in industrial as well as office applications.

Type T Raceway allows you to run both communications and electrical cables anywhere they are needed on the production floor.

The new Type T130 Molded Covers cover 106 or rectangular outlets and will accept communications module frames (106 or rectangular frame) for multichannel applications

PAN-WAY™ Type T Surface Raceway

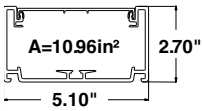
PAN-WAY Type T Surface Raceway is a large capacity, multi-channel system used to route, protect, and conceal data, voice, video and power cabling systems.

Type T System Benefits:

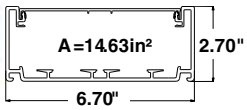
- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Superior tamper resistance for School & University applications
- Modular divider wall keeps power and data cables separated

NEW Sizes!

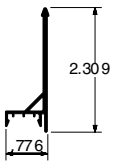
TB130



TB170



TD688



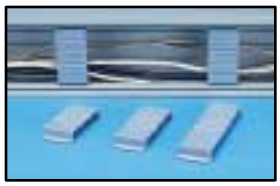
Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
8 ft. lengths		**10 ft. lengths**		
Type T130 Raceway Base				
TB130IW8	32ft.	TB130IW10	40ft.	Off White
Type T130 Raceway Cover				
TC130IW8	64ft.	TC130IW10	80ft.	Off White
Type T170 Raceway Base				
TB170IW8	32ft.	TB170IW10	20ft.	Off White
Type T170 Raceway Cover				
TC170IW8	64ft.	TC170IW10	60ft.	Off White
Divider Wall				
TD688	64ft.	TD6810	80ft.	Gray ONLY

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type T Raceway Accessories

TMB



TWR

Part Number	Description	Used with Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket				
TMB130-X	Brackets are attached to wall. Type T raceway is then snapped onto brackets. Can be used as required anywhere along the raceway.	T130	10 pcs.	100 pcs.
TMB170-X		T170	10 pcs.	100 pcs.
Wire Retainer				
TWR130-X	Holds wires in place. Will not interfere with cover installation. To add cables, simply remove cover and loosen one side of the retainer.	T130	10 pcs.	100 pcs.
TWR170-X		T170	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Type T Raceway Fittings

TCFB (at right)
TCFC (at left)

TIC

TOCB

TRA

TOCC

TT

TEC

TR

TEE130

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	**T170**			
Base Couplers				
TCFB3070IW-X	TCFB3070IW-X	Off White	10 pcs.	100 pcs.
Cover Couplers				
TCFC130IW-X	TCFC170IW-X	Off White	10 pcs.	100 pcs.
Inside Corner Fitting				
TIC130IW	TIC170IW	Off White	1 pc.	10 pcs.
Outside Corner Fitting Base				
TOCB130IW	TOCB170IW	Off White	1 pc.	10 pcs.
Outside Corner Fitting Cover				
TOCC130IW	TOCC170IW	Off White	1 pc.	10 pcs.
Right Angle Fitting				
TRA130IW	TRA170IW	Off White	1 pc.	100 pcs.
Tee Fitting				
TT130IW	TT170IW	Off White	1 pc.	10 pcs.
End Cap Fitting				
TEC130IW	TEC170IW	Off White	1 pc.	10 pcs.
Reducer Fitting				
T170 to T130				
TR170X130IW		Off White	1 pc.	10 pcs.
T130				
Entrance End				
TEE130IW		Off White	1 pc.	10 pcs.

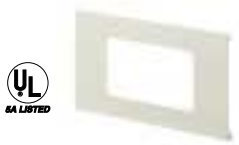
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

PAN-WAY™ Type T Box and Pre-Cut Cover (for Mounting Standard NEMA Faceplates)

TB5583-V

TBSR-Q



Pre-Cut Cover for Type T Box & NEMA Faceplates

- Cover Length = 7.05" (179mm)
- Cutout Dimension = 2.42" x 4.06" (61.5 x 103mm)

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Type T Box			
TB5583-V	3.28" (83.5mm) mounting holes, 2.17" (55mm) deep. For use with single gang NEMA standard electrical devices and faceplates. This box is used with U.S. electrical outlets.	5 pcs.	60 pcs.
Raceway Box Strain Relief			
TBSR-Q	Snaps onto TB5583-V Type T Box. Required to support cable connections in vertically mounted raceway applications.	25 pcs.	—

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	**T170**			
Pre-Cut Cover for Type T Box & NEMA Faceplates				
T130GIW	T170GIW	Off White	1 pc.	10 pcs.
Used with all standard NEMA electrical faceplates. Use with 2 Cover Couplers.				

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

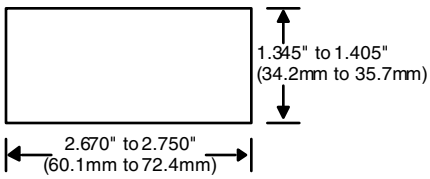
For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Snap-On Faceplate Pre-Cut Covers (for Snap-On Modular Furniture Faceplates)

K1 K2

K3

Cutout Dimensions:



Maximum Panel Thickness: .090" (2.29mm)

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	T170			
Pre-Cut Cover for One Snap-On Modular Furniture Faceplate				
T130K1IW	T170K1IW	Off White	1 pc.	10 pcs.
Pre-Cut Cover for Two Snap-On Modular Furniture Faceplates				
T130K2IW	T170K2IW	Off White	1 pc.	10 pcs.
Pre-Cut Cover for Three Snap-On Modular Furniture Faceplates				
	T170K3IW	Off White	10 pc.	1 pcs.
Pre-cut cover for use with Snap-On Modular Furniture Faceplates. Use with two Cover Couplers shown on page G10.				

Cover Lengths = 4.92" (125mm)

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

T130 Hanging Device Bracket & Molded Covers (for T130 Size Raceway ONLY)

T130DB-X

NEW!

T130DBD-X

NEW!

T130DMC

NEW!

T130DMC2

NEW!

T130RMC

NEW!

T130RMC2

NOTE: Can also be used for Communication Module Frames

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Hanging Device Bracket				
T130DB-X	Used to quickly mount NEMA standard electrical receptacles (including GFCI) in T130 Raceway. Must be used with appropriate T130 Molded Cover.	Lt. Gray ONLY	10 pcs.	100 pcs.
"Gangable" Device Bracket				
T130DBD-X	Two (2) "Gangable" Device Brackets can be interlocked to mount multiple electrical and/or data devices in T130 base in multi-channel applications.	Lt. Gray ONLY	10 pcs.	100 pcs.
Duplex Electrical Device Molded Cover				
T130DMCIW	Covers NEMA standard 106 duplex electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Double Duplex Electrical Device Molded Cover				
T130DMC2IW	Covers 2 NEMA standard 106 duplex electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Rectangular Electrical Device Molded Cover				
T130RMCIW	Covers NEMA standard rectangular electrical devices. Replaces faceplate and pre-cut raceway cover. For use with T130DBD-X and TD688 divider wall.	Off White	1 pc.	10 pcs.
Double Rectangular Electrical Device Molded Cover				
T130RMC2IW	Covers 2 NEMA standard rectangular electrical devices. Replaces faceplate and pre-cut raceway cover. For use with T130DBD-X and TD688 divider wall.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

T130 Hanging Device Bracket & Molded Covers (cont.) (for T130 Size Raceway ONLY)

T130LMC

T130TMC

T130TDMC

T130TRMC

NEW!

T130FFMC

45x45 Modules (French) shown in T130FFMC.*

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Twist Lock Electrical Device Molded Cover				
T130LMCIW	Covers NEMA standard twist lock electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Communications Device Molded Cover				
T130TMCIW	Provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pcs.	10 pcs.
Communications and Duplex Electrical Device Molded Cover				
T130TDMCIW	Covers NEMA standard duplex electrical devices and provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pc.	10 pcs.
Communications and Rectangular Electrical Device Molded Cover				
T130TRMCIW	Covers NEMA standard rectangular electrical devices and provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pc.	10 pcs.
45X45 Device Cover (Accepts standard 45X45 modules*)				
T130FFMCIW	Four 45X45mm devices snap into cover.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:

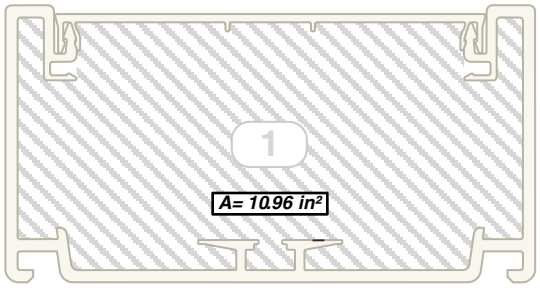
Order number of feet required, in multiples of Standard Length Increment.

* Modules are not available from Panduit.

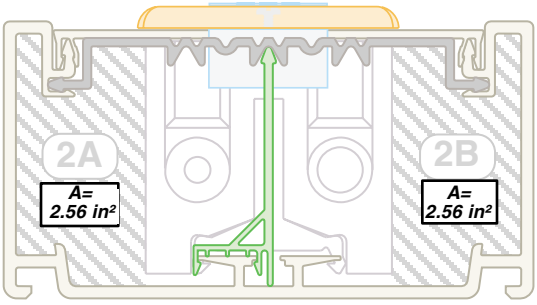
Fill Capacities for T Raceway

Use the wirefill configurations below, along with the wirefill information contained in the following pages, as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

T130 Raceway

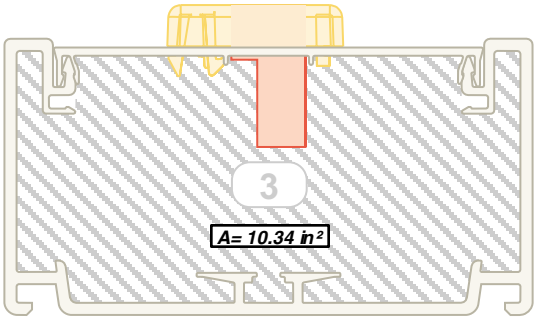


Wirefill #1: T130 Raceway with no devices



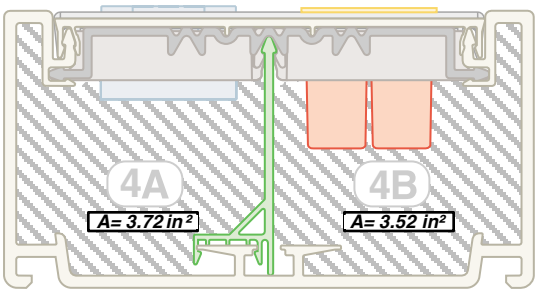
Wirefill #2: T130 Raceway—Power & Data using T Box & U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: TB5583-V Box, Divider Wall, Wire Retainer, U.S. Standard Screw-On Electrical/Communication Faceplate; Data faceplate, communication module frame and modules (not shown)



Wirefill #3: T130 Raceway—Data Only using Most Manufacturers' Modular Furniture Faceplates

Includes: Most Manufacturers's Modular Furniture Faceplate, T130K1 Punched Cover and modules



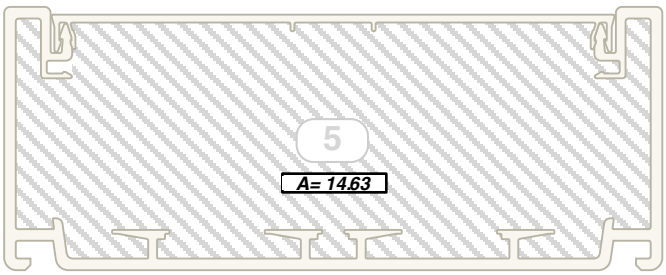
Wirefill #4: T130 Raceway—Power & Data using T130RMC2 Molded Cover

Includes: T130RMC2 Molded Cover, Divider Wall, Wire Retainer, Gangable Device Bracket, U.S. Standard Electrical Outlet, Standard Communication Module Frame & Modules

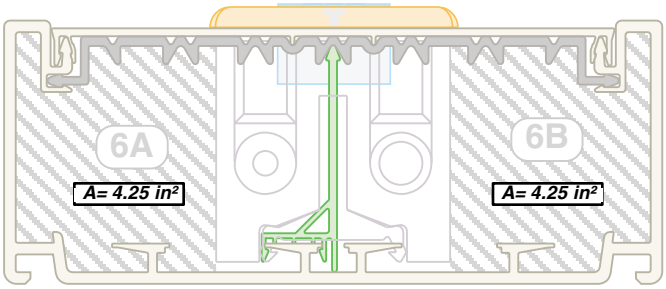
Fill Capacities for T Raceway

Use the wirefill configurations below, along with the wirefill information contained in the following pages, as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

T170 Raceway

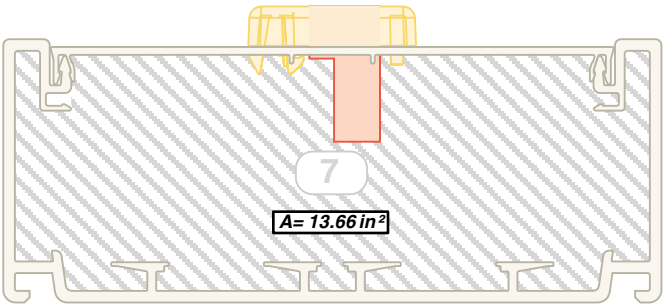


Wirefill #5: T170 Raceway with no devices



Wirefill #6: T170 Raceway—Power & Data using T Box & U.S. Standard Screw-On Electrical/ Communication Faceplates

Includes: TB5583-V Box, Divider Wall, Wire Retainer, U.S. Standard Screw-On Electrical/Communication Faceplate; Data faceplate (not shown)



Wirefill #7: T170 Raceway—Data Only using Most Manufacturers' Modular Furniture Faceplates

Includes: Most Manufacturers' Modular Furniture Faceplates, T170K1 Punched Cover and modules

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

Fill Capacities for T Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference configurations on page G13 thru G14.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Configurations	See Fig.	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	31	28	26	388	582	248	372	155	232	31	47	119	178
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	17	15	14	91	136	58	87	36	54	7	11	28	42
	2B	—	—	—	91	136	58	87	36	54	7	11	28	42
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	—	—	—	353	530	226	339	141	211	29	43	108	162
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	20	16	17	131	197	84	126	52	78	10	15	40	60
	4B	—	—	—	124	186	79	119	49	74	10	15	38	57
Wirefill #5: T170 with No Devices	5	31	28	26	518	777	331	497	207	310	42	63	158	237
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	20	18	16	150	226	96	144	60	90	12	18	46	69
	6B	—	—	—	150	226	96	144	60	90	12	18	46	69
Wirefill #7: T170 with Modular Furniture Faceplate	7	—	—	—	483	725	309	464	193	289	39	59	148	222

Fill Capacity Table for: ·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Configurations	See Fig.	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	21	32	89	134	19	28	102	153	14	21	68	102	30	45
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	5	7	21	31	4	7	24	36	3	5	16	24	7	11
	2B	5	7	21	31	4	7	24	36	3	5	16	24	7	11
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	19	29	81	122	17	26	93	139	13	19	62	93	28	41
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	7	10	30	45	6	9	34	51	4	7	23	34	10	15
	4B	6	10	28	43	6	9	32	49	4	6	23	32	9	14
Wirefill #5: T170 with No Devices	5	28	43	119	179	25	38	136	204	18	28	91	137	40	60
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	8	12	35	52	7	11	40	59	5	8	26	40	12	18
	6B	8	12	35	52	7	11	40	59	5	8	26	40	12	18
Wirefill #7: T170 with Modular Furniture Faceplate	7	27	40	111	167	24	35	127	191	17	26	85	128	38	56

NOTE: See page xiv-xv for further explanation of the wirefill data.

Fill Capacities for T Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference configurations on page G13 thru G14.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Coax Cables

Raceway Channel Configurations	See Fig.	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	77	115	34	51	150	225	95	143	95	143
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	18	27	8	12	35	53	22	33	22	33
	2B	18	27	8	12	35	53	22	33	22	33
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	70	105	31	47	137	205	87	130	87	130
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	28	41	12	18	54	81	34	52	34	52
	4B	34	50	15	22	66	98	42	63	42	63
Wirefill #5: T170 with No Devices	5	102	153	45	68	200	300	127	191	127	191
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	30	45	13	20	58	87	37	55	37	55
	6B	30	45	13	20	58	87	37	55	37	55
Wirefill #7: T170 with Modular Furniture Faceplate	7	95	143	42	64	187	280	119	178	119	178

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Configurations	See Fig.	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	182	274	182	274	127	190	1282	1923	1719	2578	2234	3351	2885	4327
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	43	64	43	64	30	44	299	449	401	602	522	783	674	1011
	2B	43	64	43	64	30	44	299	449	401	602	522	783	674	1011
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	166	249	166	249	115	173	1167	1751	1565	2348	2034	3051	2627	3940
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	66	99	66	99	46	68	462	693	619	929	805	1208	1040	1559
	4B	80	120	80	120	55	83	561	842	753	1129	978	1468	1263	1895
Wirefill #5: T170 with No Devices	5	243	365	243	365	169	254	1711	2567	2294	3442	2982	4473	3851	5776
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	71	106	71	106	49	74	497	746	667	1000	866	1299	1119	1678
	6B	71	106	71	106	49	74	497	746	667	1000	866	1299	1119	1678
Wirefill #7: T170 with Modular Furniture Faceplate	7	227	341	227	341	158	237	1598	2397	2142	3214	2784	4176	3595	5393

NOTE: See page xiv-xv for further explanation of the wirefill data.

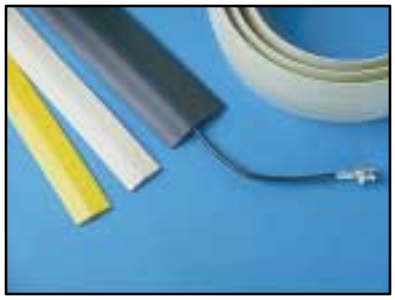
PAN-WAY™ Surface Raceway Cutting Tool

- Rugged, ratchet-action tool cuts surface raceway

Part Number	Description	Std. Pkg. Qty.
Surface Raceway Cutting Tool		
SRT	Used to easily cut all sizes of Types LDP, LD2P, LD, LDS, CD and PD raceway. Leaves a clean, burr-free end on raceway. Can also be used to cut plastic conduit.	1 pc.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Floor Guard



- Routes cabling over carpet, concrete or tile to prevent tripping
- Flexible vinyl material can be easily cut to length
- Cables slip into slit on base
- Adhesive mounting tape is supplied

Part Number	Length	Overall Size W x H	Wire Slot Size W x H	Color	Std. Pkg. Qty.
FG1 – For single, twisted pair cables					
FG1EI6-A	6 ft.	1.25" x .27" (31.8 x 6.9)	.25" x .27" (6.4 x 4.3)	Elec. Ivory	6 ft.
FG1BR6-A	6 ft.			Brown	6 ft.
FG1YL6-A	6 ft.			Safety Yellow	6 ft.
FG1BL6-A	6 ft.			Black	6 ft.
FG1EI50-A	50 ft.			Elec. Ivory	50 ft.
FG1BR50-A	50 ft.			Brown	50 ft.
FG1YL50-A	50 ft.			Safety Yellow	50 ft.
FG1BL50-A	50 ft.			Black	50 ft.
FG3 – For multiple or larger cables					
FG3EI6S-A	6 ft.	2.44" x .47" (62.0 x 12.0)	.68" x .28" (17.2 x 7.1)	Elec. Ivory	30 ft.
FG3BR6S-A	6 ft.			Brown	30 ft.
FG3YL6S-A	6 ft.			Safety Yellow	30 ft.
FG3BL6S-A	6 ft.			Black	30 ft.
FG3EI50-A	50 ft.			Elec. Ivory	50 ft.
FG3BR50-A	50 ft.			Brown	50 ft.
FG3YL50-A	50 ft.			Safety Yellow	50 ft.
FG3BL50-A	50 ft.			Black	50 ft.

ORDERING INFORMATION:
Order number of feet required, in multiples Standard Package Quantity.
Note: Mounting tape is pre-applied only to FG3 in 6 ft. lengths.

Magnet Strip

- Mounts adhesive backed raceway to metal surfaces such as desks, cabinets, modular furniture, etc.
- Flexible material can be easily cut to length

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FG3 – For multiple or larger cables			
FMS75X6	6 ft. roll x .75" wide for use with PD3, LDP3, LD3, CD3, CD5 Raceway	1 pc.	10 pcs.
FMS100X6	6 ft. roll x 1.00" wide for use with PD6, LDP5, LDP10, LD5, LD10, CD10 Raceway	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Open Office Products

PAN-POLE™ Aluminum Outlet Pole

PAN-POLE Aluminum Outlet Pole is an aesthetically pleasing dual channel pole for both power and communications outlets. The entrance fitting has been engineered to maintain the TIA/EIA required 1" bend radius for Category 5 and Fiber Optic Cabling. The ***PAN-POLE*** is tamper resistant to the end user, yet allows easy access to the installer for moves, adds, and changes.

PAN-POLE Aluminum Outlet Pole provides a totally integrated horizontal cabling solution for High Performance Copper, UTP, ScTP, Coax, Fiber Optic and Power Cabling Systems.

NEW! Available in 11 & 13 Foot Lengths

Entry end bend radius fitting maintains 1" bend radius control of communication cable

PAN-WAY Snap-On Faceplates (with screw holes to mount a module frame) speed installation, lowering overall installed cost.

Panduit *PAN-POLE* provides the following key benefits:

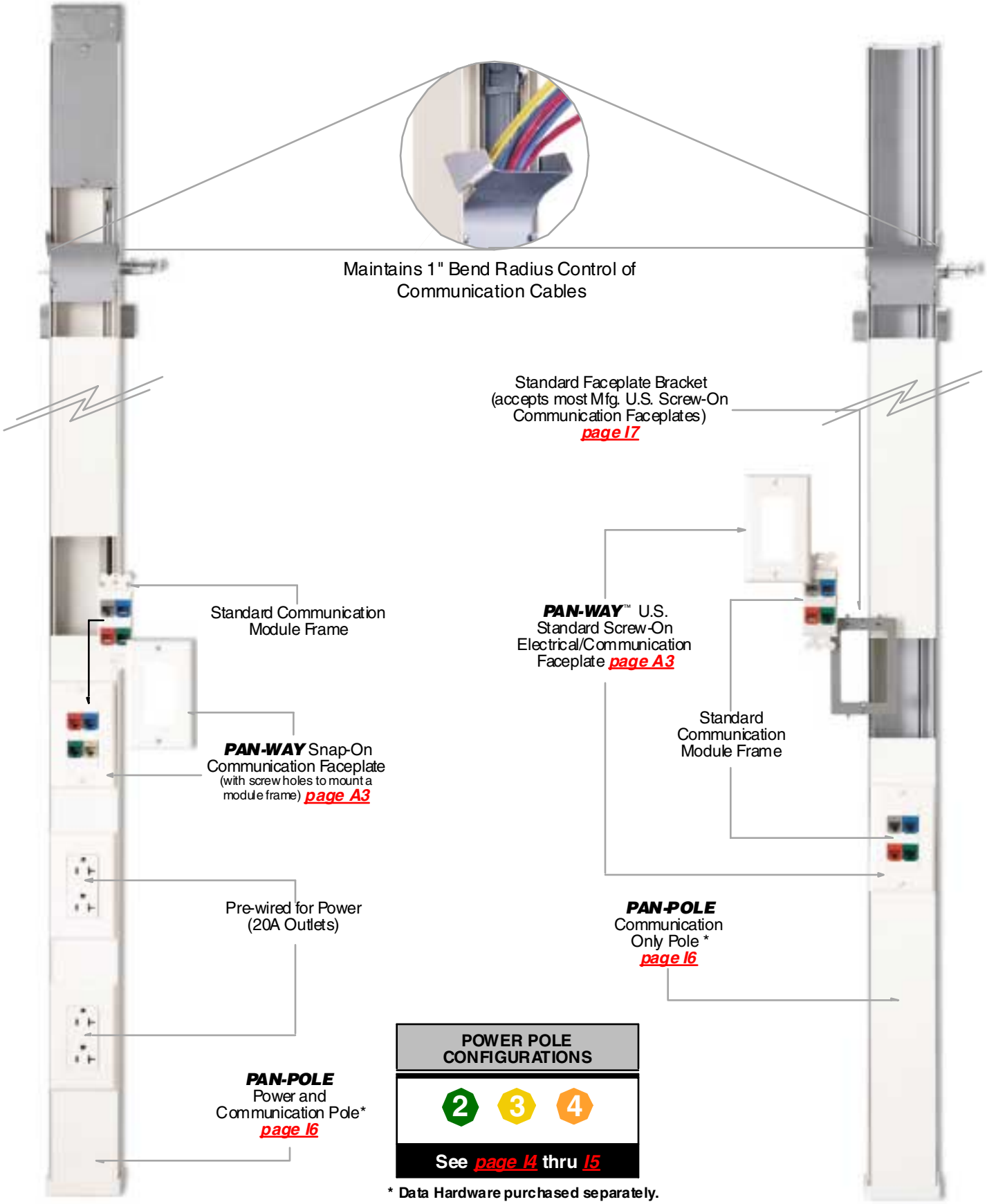
- Entry end bend radius control fitting, maintains the minimum 1" bend radius required under TIA/EIA 568-A and 569-A for high performance copper and fiber optic cabling systems
- UL-5 Listed and CSA Certified
- Tamper resistant plastic cover allows for customized placement of data outlets and is easy for the installer to cut and modify, reducing overall installation costs and costs associated with moves, adds, and changes
- Dual channel aluminum pole provides complete separation of power and data eliminating the need for two separate poles
- 2 colors available to complement surrounding decor

Table of Contents

Power & Communication Pole

Communication Pole

PAN-POLE™ Aluminum Outlet Pole—Roadmap



* Data Hardware purchased separately.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-POLE™ Aluminum Outlet Pole Configurations

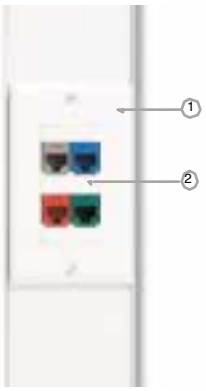
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

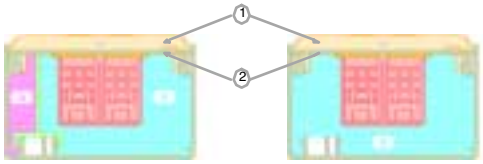
Components: pg. I6
Accessories: pg. I7

1 PAN-WAY™ Snap-On Electrical/Communication Faceplates

Configurations for this faceplate style not currently available

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)





Power & Communication Pole

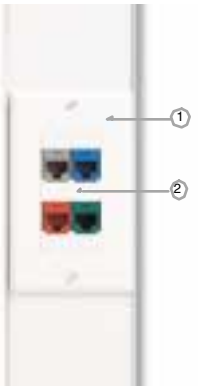
Communication Only Pole

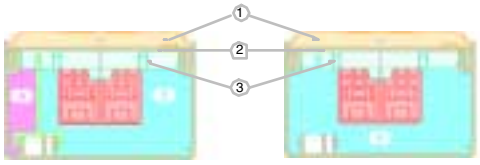
- Faceplate requires no device mounting bracket
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	.47	2.00
Data Only	—	2.70

	Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X	X	*A3*
2.	Standard Communication Module Frame	X	X	*vii*

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates





Power & Communication Pole

Communication Only Pole

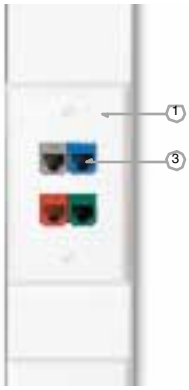
- U.S. Standard screw-on faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	.43	1.82
Data Only	—	2.46

	Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1.	U.S. Standard Screw-On Electrical/Communication Faceplate(s) (CPG shown)	X	X	*A3*
2.	Standard Communication Module Frame	X	X	*vii*
3.	Device Mounting Bracket (T70SDB-X shown)	X	X	*I7*

PAN-POLE™ Aluminum Outlet Pole Configurations

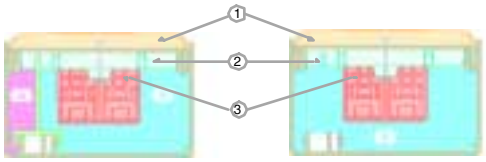
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).



Areas (in²)	A	B
Data Only	.43	1.82
Data Only	—	2.46

Components: pg. I6
Accessories: pg. I7

4 U.S. Standard Screw-On Communication Faceplates



Power & Communication Pole

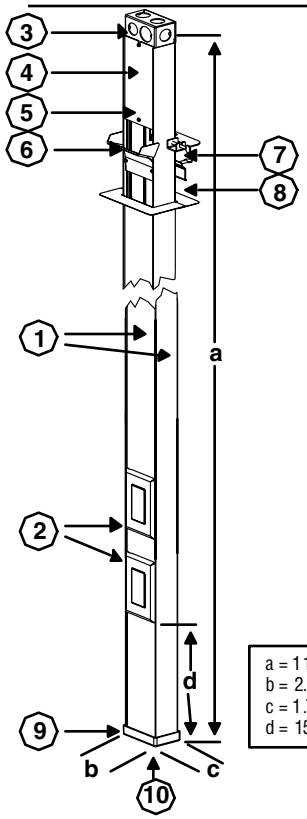
Communication Only Pole

- Uses most manufacturers' NEMA standard 70mm communication faceplates
- Panduit® Styles available, for more information refer to *page xii*

Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1. U.S. Standard Screw-On Communication Faceplate(s)	X	X	—
2. Device Mounting Bracket (T70SDB-X shown)	X	X	I7
3. Manufacturers' inserts and/or communication modules	X	X	—

PAN-POLE™ Aluminum Outlet Pole Components

PAN-POLE Power and Communication Pole



PAN-POLE Power and Communication Pole is a dual-channel aluminum pole for routing both power and communications cabling.

Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors
11 ft. lengths		**13 ft. lengths**		
PAN-POLE Power & Communications Pole				
PCPA11R20IW	1	PCPA13R20IW	1	Off White
PCPA11R20EI	1	PCPA13R20EI	1	Elec. Ivory

PAN-POLE Pole Assembly is supplied in 11 and 13 foot lengths for maximum ceiling heights of 10 or 12 feet.

Standard furnished factory assembled pole configurations include the following:

1. **Aluminum extruded base with blank plastic cover**
2. **Two (2) 20A factory wired rectangular outlets with wiring fed through power channel to base of power entry box**
3. **Power entry box with 1/2", 3/4", and 1" conduit breakouts**
4. **8" removable plate for power wiring connections**
5. **Ground screw pre-mounted behind removable plate**

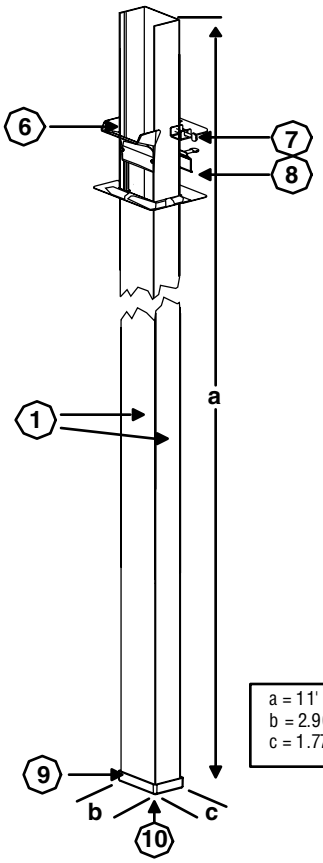
Standard furnished mounting hardware includes:

6. **Entry end bend radius fitting for communication cabling (two mounting screws included)**
7. **Ceiling T-bar bracket (two mounting screws included)**
8. **Two (2) ceiling tile trim plates**
9. **End cap with two pre-drilled holes**
10. **End cap floor grip pad**

Data hardware sold separately

ORDERING INFORMATION:
Order number of **PAN-POLE** Aluminum Outlet Poles required.

PAN-POLE Communication Only Pole



PAN-POLE Communication Only Pole is a single-channel aluminum pole for routing communication cabling.

Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors
11 ft. lengths		**13 ft. lengths**		
PAN-POLE Communication Only Pole				
PCPA11IW	1	PCPA13IW	1	Off White
PCPA11EI	1	PCPA13EI	1	Elec. Ivory

PAN-POLE Pole Assembly is supplied in 11 and 13 foot lengths for maximum ceiling heights of 10 or 12 feet.

Standard furnished factory assembled pole configuration include the following:

1. **Aluminum extruded base with blank plastic cover**

Standard furnished mounting hardware includes:

6. **Entry end bend radius fitting for communication cabling (two mounting screws included)**
7. **Ceiling T-bar bracket (two mounting screws included)**
8. **Two (2) ceiling tile trim plates**
9. **End cap with two pre-drilled holes**
10. **End cap floor grip pad**

Data hardware sold separately

ORDERING INFORMATION:
Order number of **PAN-POLE** Aluminum Outlet Poles required.

PAN-POLE Accessories

T70SDB-X

Part Number	Description	Colors	Std. Pkg. Qty.	Std. Ctn. Qty.
Standard Faceplate Bracket (for Data)				
T70SDB-X	Used to mount NEMA standard single gang screw-on communication faceplates (not for use with snap-on faceplates).	Gray ONLY	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Standard Included Mounting Hardware

Ceiling T-bar bracket attaches ***PAN-POLE*** to drop ceiling T-bar (supplied with two thumb screws).

Entry End Bend Radius Control Fitting protects the integrity of communication cabling (supplied with two mounting screws).

Two ceiling tile trim plates provide an aesthetically pleasing appearance.

End Cap Fitting with pre-drilled screw holes provides sturdy base (screws not included).

End cap with supplied adhesive backed grip pad applied provides sturdy base for easy-to-move carpet mount applications.

2 Installing PAN-WAY™ Snap-On Faceplates into the PAN-POLE™ Aluminum Outlet Pole


Remove cover from Power and Communication or Communication Only Pole.


Cut cover to desired size.


Terminate jacks and snap into module frame.


Screw module frame and faceplate together.


Snap faceplate to channel.


Finished product.

3 Installing Standard Screw-On Communication Faceplates into the PAN-POLE™ Aluminum Outlet Pole


Remove cover from Power and Communication or Communication Only Pole.


Cut cover to desired size.


Snap-On standard faceplate bracket.


Terminate jacks, snap jacks into module frame and screw module frame to faceplate bracket.


Install faceplate over module frame.


Finished product.

4 Installing U.S. Standard Screw-On Communication Faceplates into the PAN-POLE™ Aluminum Outlet Pole


Remove cover from Power and Communication or Communication Only Pole.


Cut cover to desired size.


Snap-On standard faceplate bracket.


Terminate jacks and snap jacks into faceplate.

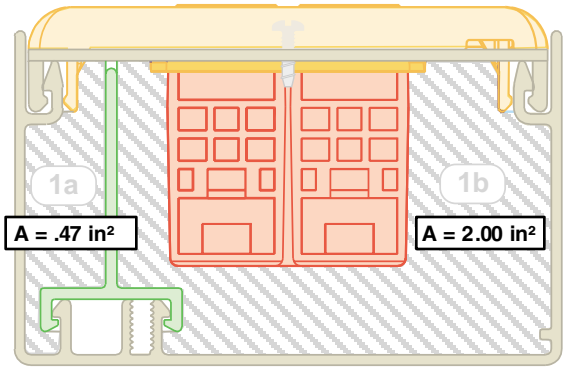

Install faceplate over bracket.


Finished product.

Fill Capacities for PAN-POLE™ Aluminum Outlet Poles

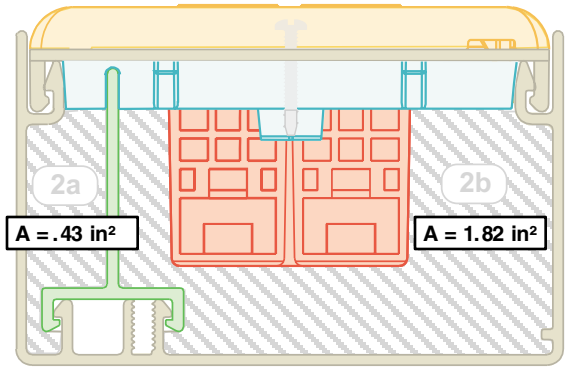
Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

PAN-POLE Power and Communication Pole



Wirefill #1: Data using Snap-On Communication Faceplates (with screw holes to mount a module frame)

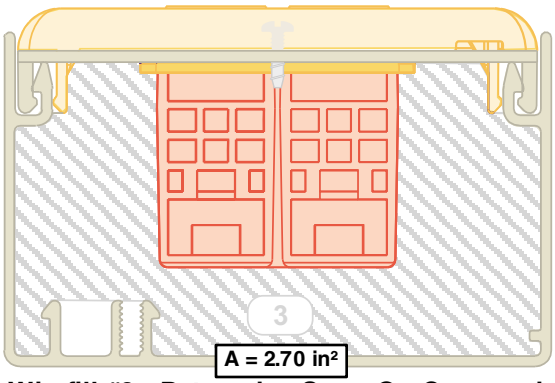
Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.



Wirefill #2: Data using U.S. Standard Screw-On Communication Faceplate and Standard Faceplate Bracket

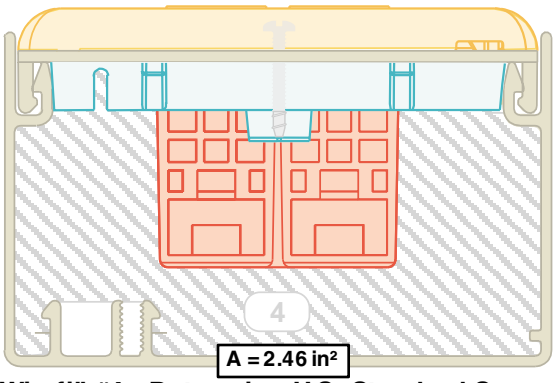
Includes: U.S. Standard Screw-On Communication Faceplate, Standard Faceplate Bracket, Sloped Insert, and Communication Modules

PAN-POLE Communication Only Pole



Wirefill #3: Data using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.



Wirefill #4: Data using U.S. Standard Screw-On Communication Faceplate and Standard Faceplate Bracket

Includes: U.S. Standard Screw-On Communication Faceplate, Standard Faceplate Bracket, Sloped Insert, and Communication Modules

Fill Capacities for *PAN-POLE*™ Aluminum Outlet Poles

This information is to be used as a guide in selecting the proper configuration. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on minimal cable interweaving and ideal packing factors (Electrical fill capacity based on UL temperature rise testing)

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Pole Channel Configurations		Electrical Cables	Voice Grade Cables						Data Grade Cables			
		AWG	24 AWG UTP CM/CMR						24 AWG UTP CM			
		12	2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.122	FILL		FILL		FILL		FILL		FILL	
		MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	***PAN-POLE*** Power & Communications Pole	11	**	**	**	**	**	**	**	**	**	**
1b	***PAN-POLE*** Power & Communications Pole	**	70	106	45	67	200	42	5	8	21	32
2a	***PAN-POLE*** Power & Communications Pole	11	**	**	**	**	**	**	**	**	**	**
2b	***PAN-POLE*** Power & Communications Pole	**	64	96	41	61	25	38	5	7	19	29
3	***PAN-POLE*** Communications Only Pole	**	95	142	60	91	37	56	7	11	29	43
4	***PAN-POLE*** Communications Only Pole	**	87	130	55	83	34	51	7	10	26	39

NOTE: See *page xiv-xv* for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Pole Channel Configurations		Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	***PAN-POLE*** Power & Communications Pole	**	**	**	**	**	**	**	**	**	**	**	**	**	**
1b	***PAN-POLE*** Power & Communications Pole	3	5	16	24	3	5	18	27	2	3	12	18	5	8
2a	***PAN-POLE*** Power & Communications Pole	**	**	**	**	**	**	**	**	**	**	**	**	**	**
2b	***PAN-POLE*** Power & Communications Pole	3	5	14	22	3	4	25	37	2	3	11	16	5	7
3	***PAN-POLE*** Communications Only Pole	5	7	21	32	4	6	22	34	3	5	16	25	7	11
4	***PAN-POLE*** Communications Only Pole	4	7	20	30	4	6	22	34	3	4	15	22	6	10

NOTE: See *page xiv-xv* for further explanation of wirefill data.
** Not power configuration

Fill Capacities for PAN-POLE™ Aluminum Outlet Pole

This information is to be used as a guide in selecting the proper configuration. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on minimal cable interweaving and ideal packing factors (Electrical fill capacity based on UL temperature rise testing)

Fill Capacity Table for:
·Coax Cables

Pole Channel Configurations		Coax Cables									
		RG6/u DIA.=0.270 FILL		RG11/u DIA.=0.405 FILL		RG58/u DIA.=0.193 FILL		RG59/u DIA.=0.242 FILL		RG62A/u DIA.=0.242 FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**	**	**	**	**
1b	PAN-POLE Power & Communication Pole	13	20	6	9	27	40	17	25	17	25
2a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**	**	**	**	**
2b	PAN-POLE Power & Communication Pole	12	19	5	8	24	37	15	23	15	23
3	PAN-POLE Communication Only Pole	18	28	8	12	36	55	23	35	23	35
4	PAN-POLE Communication Only Pole	17	25	7	11	33	50	21	32	21	32

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Pole Channel Configurations		Fiber Optic Cables (62.5/125mm)					
		2 Strand DIA.=0.175 FILL		4 Strand DIA.=0.175 FILL		6 Strand DIA.=0.210 FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**
1b	PAN-POLE Power & Communication Pole	33	49	33	49	23	34
2a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**
2b	PAN-POLE Power & Communication Pole	30	45	30	45	20	31
3	PAN-POLE Communication Only Pole	44	67	44	67	31	46
4	PAN-POLE Communication Only Pole	40	61	40	61	28	42

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Telecommunication Equipment Room Products

FIBER-DUCT™ Routing System

NEC Compliant/UL Listed

The ***FIBER-DUCT*** Routing System provides a complete solution for routing and protecting your fiber optic cables. This system can also be used for Category 5, UTP, ScTP, and Coax cabling applications as well. The fittings are designed to maintain a minimum 2" cable bend radius which protects against signal loss due to excessive bending of cables. A full selection of fittings is available to speed the installation.

Additional features include:

UL Listed for general use

- UL94V-0 Flammability rating on all PVC fittings and PVC duct
- Snap on non-slip covers
- Two sizes: 2" X 2" and 4" X 4"
- Minimum 2" bend radius fittings
- Available in Orange, Light Gray, Black and Yellow (Duct—PVC; Fittings—ABS material)
- Available in clear (Polycarbonate material)
- Manufactured in an ISO 9001 registered facility

Excellent for use in:

- Telecommunications Closets
- Central Offices
- Equipment rooms
- Entrance facilities
- Appropriate floor and ceiling spaces

Panduit *FIBER-DUCT*™ Routing System provides the following key benefits:

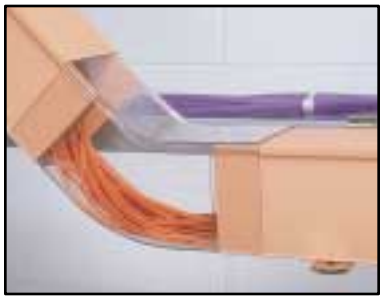
Compliant with NEC Articles 770 & 800

- Protects against signal loss due to excessive bending
- Easy and secure installation—completely enclosed to protect cables
- Allows for distribution of large amounts of fiber cable
- Identifies Fiber Optic Cable (Orange = Multi-mode; Yellow = Single-Mode)
- Provides a totally integrated cabling solution
- ISO 9001 assures highest quality and reliability

Table of Contents

FIBER-DUCT Routing System Applications

FIBER-DUCT Routing System can be used with a cable management system when routing fiber optic or category 5 cables to telecommunications racks or enclosures.

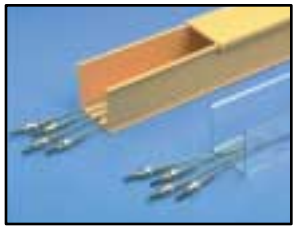


Both duct and fittings are available in clear for low smoke applications. The clear polycarbonate material allows cable color to show through for easy identification.

Both duct and fittings are available in orange (multi-mode) and yellow (single-mode) to clearly identify fiber optic cable.

All fittings in this system are designed with a minimum 2" bend radius to protect fiber optic cables. FIBER-DUCT System includes a complete line of mounting hardware for a variety of applications.

PANDUCT® Solid and Slotted Wall Wiring Duct



Duct Part Number	Nominal Duct Size Width (in)	Nominal Duct Size Height (in)	Cover Part Number	Color◆	Material	Std. Length	Duct Std. Ctn. Qty.	Cover Std. Ctn. Qty.
Types S and PS Solid Wall Wiring Duct								
S2X2OR6NM **PS2X2CL6NM**	2.00 (50.8mm)	2.00 (50.8mm)	**C2OR6** **PC2CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft
S4X4OR6NM **PS4X4CL6NM**	4.00 (101.6mm)	4.00 (101.6mm)	**C4OR6** **PC4CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft

NOTE: Available with mounting holes. To order delete NM from the Part Number.

Types E and PE Slotted Wall Wiring Duct

E2X2OR6 **PE2X2CL6**	2.00 (50.8mm)	2.00 (50.8mm)	**C2OR6** **PC2CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft
E4X4OR6 **PE4X4CL6**	4.00 (101.6mm)	4.00 (101.6mm)	**C4OR6** **PC4CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft

NOTE: Available without mounting holes. To order add NM to the end of the Part Number.

◆ PVC material parts listed in Orange (OR) color. To order other colors in PVC material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

FIBER-DUCT™ System Fittings

FCF2X2
FCF4X4

FEC2X2
FEC4X4

FFWC2X2
FFWC4X4

FIVRA2X2
FIVRA4X4

FOVRA2X2
FOVRA4X4

FIV452X2
FIV454X4

FOV452X2
FOV454X4

Part Number	Description	Material	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
FCF2X2OR **PFCF2X2CL**	Coupler Fitting — 2 x 2 Size Used to join two sections of duct together	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FCF4X4OR **PFCF4X4CL**	Coupler Fitting – 4 x 4 Size Used to join two sections of duct together	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FEC2X2OR **PFEC2X2CL**	End Cap Fitting — 2 x 2 Size Closes the end of the duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FEC4X4OR **PFEC4X4CL**	End Cap Fitting — 4 x 4 Size Closes the end of the duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FFWC2X2OR **PFFWC2X2CL**	Four Way Cross Fitting — 2 x 2 Size Used to join duct at four way cross intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FFWC4X4OR **PFFWC4X4CL**	Four Way Cross Fitting — 4 x 4 Size Used to join duct at four way cross intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIVRA2X2OR **PFIVRA2X2CL**	Inside Vertical Right Angle Fitting — 2 x 2 Size Used to join duct at 90° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIVRA4X4OR **PFIVRA4X4CL**	Inside Vertical Right Angle Fitting — 4 x 4 Size Used to join duct at 90° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOVRA2X2OR **PFOVRA2X2CL**	Outside Vertical Right Angle Fitting — 2 x 2 Size Used to join duct at 90° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOVRA4X4OR **PFOVRA4X4CL**	Outside Vertical Right Angle Fitting — 4 x 4 Size Used to join duct at 90° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIV452X2OR **PFIV452X2CL**	Inside Vertical 45° Fitting — 2 x 2 Size Used to join duct at 45° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIV454X4OR **PFIV454X4CL**	Inside Vertical 45° Fitting — 4 x 4 Size Used to join duct at 45° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOV452X2OR **PFOV452X2CL**	Outside Vertical 45° Fitting — 2 x 2 Size Used to join duct at 45° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOV454X4OR **PFOV454X4CL**	Outside Vertical 45° Fitting — 4 x 4 Size Used to join duct at 45° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.

◆ ABS material parts listed in Orange (OR) color. To order other colors in ABS material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

FIBER-DUCT™ System Fittings (cont.)

FVT2X2
FVT4X4

FRA2X2
FRA4X4

FT2X2
FT4X4

FRF42

Part Number	Description	Material	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
FVT2X2OR PFVT2X2CL	Vertical Tee Fitting — 2 x 2 Size Used to join vertical and horizontal sections of duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FVT4X4OR PFVT4X4CL	Vertical Tee Fitting — 4 x 4 Size Used to join vertical and horizontal sections of duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRA2X2OR PFRA2X2CL	Right Angle Fitting — 2 x 2 Size Used to join duct at 90° flat junctions	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRA4X4OR PFRA4X4CL	Right Angle Fitting — 4 x 4 Size Used to join duct at 90° flat junctions	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FT2X2OR PFT2X2CL	Tee Fitting — 2 x 2 Size Used to join duct at tee intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FT4X4OR PFT4X4CL	Tee Fitting — 4 x 4 size Used to join duct at tee intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRF42OR PFRF42CL	Reduces 4 x 4 size duct to 2 x 2 size.	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.

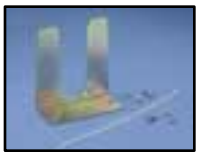
◆ ABS material parts listed in Orange (OR) color. To order other colors in ABS material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Innerduct Transition Fittings

FITF2X2M

FITF4X4AM



FITF4X4BM

Attaches to the end of ***PANDUCT***® Type E and Type S Duct. It can also be attached anywhere along the side walls of the duct provided the duct fingers or side walls are removed.

Part Number	Description	Material	Std. Pkg. Qty.	Std. Ctn. Qty.
Innerduct Transition Fitting – 2 x 2 Size				
FITF2X2	Provides transition from 2 x 2 duct to 3/4" to 1" innerduct.	Metal**	1 pc.	10 pcs.
Innerduct Transition Fitting – 4 x 4 Size				
FITF4X4A	Transition from 4 x 4 duct to 1-2 pcs. 1" innerduct.	Metal**	1 pc.	10 pcs.
FITF4X4B	Transition from 4 x 4 duct to 1-2 pcs. 1 1/4" innerduct.	Metal**	1 pc.	10 pcs.

** Commercial grade cold rolled steel with zinc chromate finish.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Mounting Brackets

FTRB12

FTRBE12
FTRBE58

FTRBN12
FTRBN58

FLRB

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FTRB12	Bracket attaches to UNISTRUT® Metal Framing. Accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching to metal framing.	1 pc.	10 pcs.
FTRBE12	Bracket attaches to existing 1/2" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBE58	Bracket attaches to existing 5/8" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBN12	Bracket attaches to new 1/2" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBN58	Bracket attaches to new 5/8" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FLRB	Bracket attaches to 3/8" X 1-1/2" or 3/8" X 2" ladder rack rails. Contains hardware for attaching bracket to ladder rack. Also contains hardware for attaching duct/fittings to bracket.	1 pc.	10 pcs.

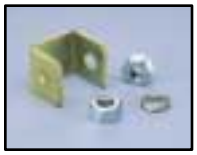
UNISTRUT® is a registered trademark of UNISTRUT Corporation

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

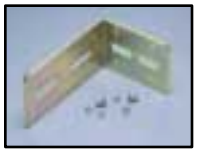
FIBER-DUCT™ Mounting Brackets (cont.)

FZBA1.5X4



FLB12X15
FLB12X20
FLB58X15
FLB58X20

FUSB



FLB

FMRB

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FZBA1.5X4	Aluminum bracket used to offset duct from mounting surface, adjustable from 1½" to 4".	1 pc.	10 pcs.
FLB12X15	Bracket attaches to 1-1/2" ladder rack rail. Bracket accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB12X20	Bracket attaches to 2" ladder rack rail. Bracket accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB58X15	Bracket attaches to 1-1/2" ladder rack rail. Bracket accepts 5/8" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB58X20	Bracket attaches to 2" ladder rack rail. Bracket accepts 5/8" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FUSB	Bracket attaches to under-floor support pedestal (not included). Contains bracket and hardware for attaching bracket to pedestal. Also contains hardware for attaching duct/fittings to "L" Bracket.	1 pc.	10 pcs.
FLB	"L" Bracket attaches to walls. User supplies appropriate mounting hardware for attaching "L" Bracket to walls. Contains bracket and hardware for attaching duct/fittings to "L" Bracket.	1 pc.	10 pcs.
FMRB	"L" Bracket attaches to top rail of rack for added support. Contains bracket and hardware for attaching "L" Bracket to rack and bracket to duct.	1 pc.	10 pcs.

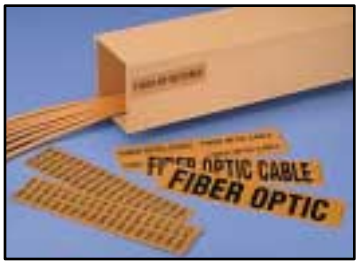
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Accessories

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NR2WH-L	Optional snap rivet fastens duct and fittings together for added strength and rigidity. Fastener mounts flush to duct surfaces. 2" X 2" rivet white color.	50 pcs.	500 pcs.
NR4BL-L	Optional snap rivet fastens duct and fitting together for added strength and rigidity. Fastener mounts flush to duct surfaces. 4" X 4" rivet black color.	50 pcs.	500 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fiber Optic Adhesive Markers



- Durable markers available in pressure sensitive card
- Legend: Black
- Background: Orange

Part Number	Legend	Part Number	Legend	Marker Size W X L In. (mm)	Markers Per Card	Std. Pkg. Qty.
Adhesive Marker Cards						
PCV-FOA	Fiber Optic	PCV-FOCA	Fiber Optic Cable	9.00 X 2.25 (228.6 X 57.2)	1	5 Cards
PCV-FOB	Fiber Optic	PCV-FOCB	Fiber Optic Cable	4.50 X 1.19 (114.3 X 28.6)	4	
PCV-FOC	Fiber Optic	PCV-FOCC	Fiber Optic Cable	2.25 X 0.50 (57.1 X 12.7)	18	

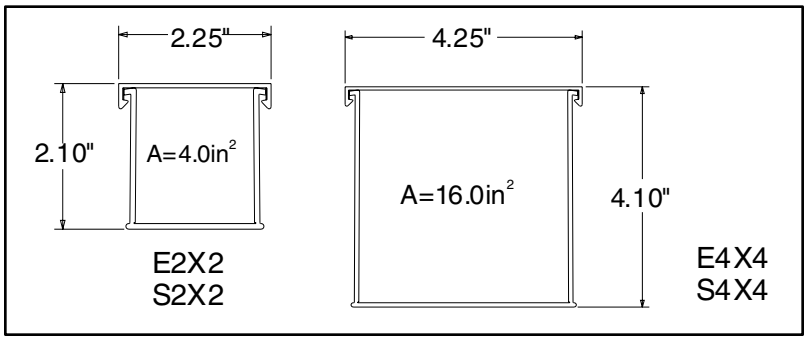
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fill Capacities for *PANDUCT*® Type E or Type S

This information is to be used as a guide in selecting the proper size duct. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*



Fill Capacity Table for:

·Fiber Optic Cable (62.5/125mm) ·Data Grade 24 AWG UTP

Duct Type	Size	Fiber Optic Cables (62.5/125mm)														Data Grade Cables			
		2 Strand		4 Strand		6 Strand		12 Strand		24 Strand		36 Strand		72 Strand		24 AWG UTP CM			
		DIA.=0.24		DIA.=0.26		DIA.=0.27		DIA.=0.34		DIA.=0.55		DIA.=0.67		DIA.=0.89		25 pr. DIA=0.422		**Cat.5** 4 pr. DIA=0.217	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PANDUCT Type E or S	2"X2"	35	53	30	45	28	42	18	26	7	10	5	7	3	4	11	17	43	65
PANDUCT Type E or S	4"X4"	142	212	121	181	112	168	71	106	27	40	18	27	10	15	46	69	173	260

NOTE: See page xiv-xv for further explanation of the wirefill data.

Table of Contents

UL 569-A - Commercial Building Standard for Telecommunications Pathways and Spaces

The purpose of this standard is to standardize specific design and construction practices (in support of telecommunications media and equipment) within and between commercial buildings. Standards are given for rooms or areas and pathways into and through which telecommunications equipment and media are installed.

The key requirements for surface raceways are as follows:

Section 4.7 of 569-A describes perimeter pathways and it is here that surface raceway requirements are found. Surface raceways are horizontal pathways for the installation of media from the telecommunications closet to the work area.

Section 4.7 perimeter pathways — Key Points Summary:

- Perimeter pathways serve work areas where telecommunication devices can be reached from walls at convenient levels.
- Divided or multichannel raceways may include telecommunication and power cabling and outlets as needed.

4.7.1 also states that perimeter pathways shall comply with clause 10.3.

10.3 Horizontal pathway separation from EMI sources states:

1) Co-installation of telecommunications cable and power cable is governed by the applicable electrical code for safety. Article 800-52 of ANSI/NFPA 70 shall be applied, for example:
   a) separation from power conductors
   b) separation and barriers within raceway
   c) separation within outlet boxes or compartments

Article 800-52 requires a physical barrier between power and telecommunication cables. *(Non-metallic divider walls are suitable physical barriers.)* No minimum separation distance is required.

4.7.2.1 Surface raceway - Surface raceway consists of base, cover and related fittings that mount directly on walls at appropriate work levels to provide a continuous perimeter pathway. Telecommunication outlets are located along the raceway and may be moved or added after initial installation if desired.

4.7.2.4 Multi-Channel raceway - Multichannel raceway provides a perimeter pathway for different systems in combination, such as telecommunication and each channel is maintained for each system throughout the building.

4.7.3.2 Pathway Sizing - Currently states that practical raceway capacity for telecommunication cabling ranges from 20-40% depending on cable-bending radius. It further notes that pathway fill is under study. As a participant in that study, Panduit and other surface raceway manufactures have found that fill capacities of surface raceway can be up to 60% when appropriate bend radius is provided. Factors that affect fill capacity are discussed on the following page:

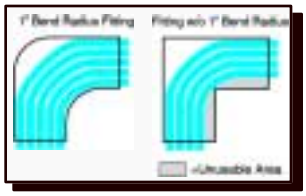
UL 569-A - Commercial Building Standard for Telecommunications Pathways and Spaces (cont'd)

Initially one may think... $\frac{\text{RACEWAY AREA}}{\text{CABLE(S) AREA}}$ = # of Cables that fit into the Channel

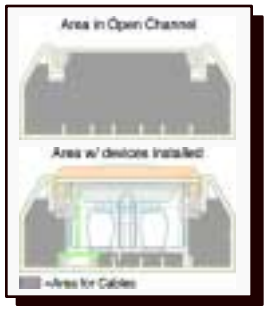
But in reality this is impossible..... Why?

Consider this...

- Cables placed into the channel leave some unusable area depending on the diameter of the cable and shape of the raceway channel. Commonly referred to as the "packing factor".



- If the cables being routed require a 1" bend radius and the fittings have a smaller radius even less internal area is available for cables.



- Termination devices placed within the surface raceway also reduce the available internal area within the channel.†
- Add in other real world considerations, such as, interweaved/crossed cables and the usable area becomes even less.

4.7.3.2 Pathway Sizing (cont'd) -

Anticipated changes to the existing fill capacity suggestions from 569-A have led Panduit to provide the following wirefill quantities for specifying ***PAN-WAY***™ Surface Raceway Systems:

$$\textbf{SPEC} = \frac{\text{Raceway Internal Area}}{\text{Cable Area}} \times 40\%$$

SPEC: The cable quantity to be used when specifying a new raceway. This quantity leaves room for adding cabling in the future.

$$\textbf{MAX} = \frac{\text{Raceway Internal Area}}{\text{Cable Area}} \times 60\%$$

MAX: The maximum cable quantity that will fit into the raceway (considering factors previously mentioned).^

^If the bend radius of the cable can not be realized with the fittings of the system this value cannot be attained.

Example: *Find the SPEC and MAX cable quantities for LDP3 (internal area= .21in²) when routing Category 5 UTP cabling (dia= .217")*

1. Determine Cable Area:

CABLE AREA $=\pi r^2$
$=(3.14)(.217/2)^2$
$=$**.03695in²**

2. Determine SPEC Quantity:

SPEC $=.21in^2/.03695in^2 \times .40$
$=2.27$ or
$=$**2 Cables**

3. Determine MAX Quantity:

MAX $=.21in^2/.03695in^2 \times .60$
$=3.40$ or
$=$**3 Cables**

Note 1: Per TIA/EIA TR41.8.3 Committee investigations new installations of perimeter raceway systems should be sized using a cable fill based on 40% of the raceway cross-sectional area. A maximum cable fill based on 60% of the raceway cross-sectional area may be attained if the pathway provides the appropriate bend radius for the radius of the cable being routed.

Note 2: Power cabling fill capacities of non-metallic raceways are determined by the UL-5A Temperature Test (See UL-5A Brief Explanation on following page.) The MAX value listed in wirefill capacity tables indicates the maximum number of power conductors that can be placed into the raceway channel or indicated channel area.

4.7.3.3 Physical Limitations - Use surface raceway in dry locations

4.7.3.4 Perimeter raceways should follow the bend radius requirements of the cable. (1" for category 5 UTP)

†Panduit wirefills reference only the usable area for each configuration of each system.
NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

UL-5A Brief Explanation

(Standard for Safety of Non-metallic Surface Raceways and Fittings)

The UL Listing mark found on Panduit non-metallic surface raceway systems assures that the raceway components have been evaluated in accordance with the UL-5A standard. Our systems meet or exceed the requirements of **ALL** (not just some) of the tests outlined within UL-5A. This assures the end user of a quality product which will perform in a safe manner when installed as recommended.

A product bearing UL-5A listing complies with tests that include the following:

- Utilizes a UL RECOGNIZED material which meets specific UL property requirements. (such as volume resistivity, hot wire ignition, high current ARC ignition, dielectric strength and heat deflection temperature.)
- FLAMMABILITY: The system material has a flammability rating of 94V-0. The finished part has a flammability rating of 94-5VA. Both the raceway and associated fittings will not ignite combustible materials in its vicinity or support a flame longer than 60 seconds following the final test flame application.
- LOW TEMPERATURE HANDLING AT -32°C: This test assures that the raceway integrity will remain intact under typical conditions encountered during shipment and handling in a hostile subzero temperature.
- COLD TEMPERATURE IMPACT AT 0°C: A 1.18 lb. steel sphere is dropped from a height of 51inches to produce an impact of 5 ft./lbs. This test simulates the impact resistance of the product when subjected to a cold temperature extreme following installation, such as cold storage or an area without heat.
- CRUSHING: Both the raceway and fittings are subjected to a compressive load of 300 lbs. which is maintained for one minute. This load is twice the average weight of an average person. Following the removal of the load, both the raceway and fittings remain intact and show no signs of permanent deformation.
- TEST FOR MOLD STRESS: During the cooling process stresses may be frozen in the raceway or fitting. This test conditions the product in an air circulating oven for seven (7) hours at the maximum intended useful temperature of the system. After cooling to room temperature the raceway system with cover remains intact and secure.
- TEMPERATURE TEST: The raceway undergoes a four (4) hour test to determine the safe number of ELECTRICAL conductors with which to operate the system. This assures the end user that the POWER conductor and raceway will not exceed their respective temperature rating during their intended operation.
- TRIAL INSTALLATION: This is conducted to verify that the recommended installation instructions and MOUNTING HARDWARE are effective and that the system maintains a complete and safe enclosure of conductors.
- RECEPTACLE SECURENESS: Assures that a receptacle shall remain secure in the raceway when a power cord attachment plug is inserted and a 25 lb. weight is applied for 60 seconds. This test is conducted with the receptacle positioned horizontally to the ground and then repeated with receptacle face at a 30° angle to the power cord.
- SECURITY OF KNOCKOUT AND BREAKAWAY TAB: A knockout or break-away tab shall remain intact following a force application of 10 lbs. for 60 seconds. Following the removal of the tab no sharp edges shall be left which could cause the removal of the conductor insulation. This test assures that the tab can resist an applied force but can be removed easily per recommended instructions.

NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

CSA 22.2 No. 62-93 Brief Explanation

(Surface Raceway Systems)

The CSA (Canadian Standards Association) Listing mark found on Panduit non-metallic surface raceway systems assures that the raceway components have been evaluated in accordance with the CSA 22.2 No. 62-93 standard. Our systems meet or exceed the requirements of **ALL** (not just some) of the tests outlined within CSA 22.2. This assures the end user of a quality product which will perform in a safe manner when installed as recommended.

These tests parallel the tests outlined on the previous page for UL listing and are not listed here (consult CSA22.2 No. 62-93 for specific test information.)

NEC Article 352B Brief Explanation

(Non-Metallic Surface Raceways)

Non-metallic surface raceways are addressed under section 352B of the National Electric Code, please reference this section of the NEC for specific information regarding non-metallic surface raceway.
352B applies to a type of non-metallic surface raceway and fittings of suitable nonmetallic material that is resistant to moisture and chemical atmospheres. It shall also be flame retardant, resistant to impact and crushing, resistant to distortion from heat under conditions likely to be encountered in service, and resistant to low-temperature effects.

Section 352B includes the following:

352-22. Use

The use of non-metallic surface raceways shall be permitted in dry locations. They shall not be used where concealed

352-26. Combination Raceways.

Where combination non-metallic surface raceways are used both for signaling and for lighting and power circuits, the different systems shall be run in separate compartments, identified by printed legend or by sharply contrasting colors of the interior finish, and the same relative position of compartments shall be maintained throughout the premises.

352-27. General.

Non-metallic surface raceways shall be of such construction as will distinguish them from other raceways. Non-metallic surface raceways and their elbows, couplings, and similar fittings shall be so designed that the sections can be mechanically coupled together and installed without subjecting the wires to abrasion.

352-28. Extension Through Walls and Floors.

Non-metallic surface raceways shall be permitted to pass transversely through dry walls, dry partitions, and dry floors if the length passing through is unbroken. Access to the conductors shall be maintained on both sides of the wall, partition, or floor.

352-29. Splices and Taps.

Splices and taps shall be permitted in non-metallic surface raceways having a removable cover that is accessible after installation. The conductors, including splices and taps, shall not fill the raceway to more than 75 percent of its area at that point. Splices and taps in non-metallic surface raceways without removable covers shall be made only in junction boxes. All splices and taps shall be made by approved methods.

NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

Mounting Guidelines

Low Voltage (Data) Installations

Data only (low voltage <48V) raceway can be mounted with factory applied adhesive backing for permanent or temporary installation. The mounting surface must be smooth and clean for adhesive to work properly. *Caution - Adhesive attachment is permanent!* Removal may cause damage to mounting surface (i.e. may remove paper from drywall etc.).

Power Installations

Power rated single channel and multi-channel raceway must be mechanically fastened to the mounting surface (screwed onto) as required by the NEC. UL requires the mounting fasteners to be appropriate for mounting surface, meaning use a masonry fastener for attaching to brick; a wood screw for attaching to studs etc.
Fastener heads should be the “panhead” type to reduce the possibility of damaging the cable’s insulation. Fasteners are spaced every 16 inches and within 1½" of each end of the raceway. Panduit instruction sheets provide recommended spacing requirements for specific products.

Flammability

This test method measures the comparative burning characteristics of solid plastic materials‡.

UL Vertical Burning Test

Test samples measure 125mm by 13mm by the minimum thickness of the end product. Tests are conducted utilizing unaged samples (as manufactured) and aged samples (7 days @ 70°C, 158°F.) A standard test flame is applied for two 10 second applications to the unsupported end of a vertically clamped sample. The afterflame time is recorded following the first flame application. Both afterflame and afterglow times are recorded following the second flame application. Also observed and documented is if the sample drips flaming particles that ignite the cotton layer below.

Materials Classed 94V-0 (Criteria)

- Afterflame for each sample does not exceed 10 seconds following the removal of each flame application
- Total afterflame time for a set of five samples following both flame applications is not greater than 50 seconds
- Afterflame plus afterglow time for each sample does not exceed 30 seconds following the second flame application
- A sample does not exhibit afterflame or afterglow up to the holding clamp
- The cotton indicator below the sample does not ignite from flaming particles or droplets from the test sample

‡ This test is conducted under controlled laboratory conditions. It does not represent the material response under actual fire conditions.

Physical Properties

PROPERTIES	UNITS	TEST METHOD	PVC	ABS	POLY-STYRENE	ABS/PVC	POLYCARB.
GENERAL							
Specific Gravity	g/cc	ASTM D 792	1.38	1.22	1.18	1.19	1.21
Heat Deflection Temperature @264 psi	°F	ASTM D 648	163	160	185	203	270
Thermal Expansion 10^{-5}in/in/°F	°F	ASTM D 696	3.7	N/A	N/A	3.9	N/A
Thermal Conductivity	°F	ASTM C 177	1.3	N/A	N/A	N/A	N/A
Compressive Yield Strength	psi	ASTM D 695	8,100	N/A	N/A	N/A	12,500
BURNING CHARACTERISTICS							
Flammability Class	—	UL94	V-0	V-0	V-0	V-0	N/A
Smoke Density—ASTM	—	ASTM E 662	538	N/A	N/A	N/A	120
Limited Oxygen Index (LOI)	—	ASTM D 2863	40-49	N/A	N/A	30	37.8
HARDNESS							
Durometer Hardness	"D"	ASTM D 2240	78	N/A	N/A	N/A	N/A
Rockwell Hardness	"R"	ASTM D 785	111	N/A	N/A	122	118
TENSILE							
Strength at Yield	psi	ASTM D 638	6,200	5,800	4,000	8,700	9,000
Modulus	psi	ASTM D 638	390,000	300,000	N/A	380,000	N/A
FLEXURAL							
Strength at Yield	psi	ASTM D 790	11,000	9,500	4,700	13,800	13,200
Modulus	psi	ASTM D 790	350,000	300,000	280,000	390,000	325,000
IMPACT STRENGTH							
Notched Izod (.125") at:		ASTM D 256					
23°C (73°F)	ft-lb/in		17.0	3.0	1.7	14.0	12.0
0°C (32°F)	ft-lb/in		1.6	N/A	N/A	N/A	N/A
-18°C (0°F)	ft-lb/in		1.1	N/A	N/A	N/A	N/A
Unnotched Modified Izod at:		ASTM D 256					
23°C (73°F)	ft-lb/in		64.0+	N/A	N/A	N/A	60.0
0°C (32°F)	ft-lb/in		64.0+	N/A	N/A	N/A	N/A
-18°C (0°F)	ft-lb/in		42.0+	N/A	N/A	N/A	N/A
ELECTRICAL PROPERTIES							
Power Factor:		ASTM D 150					
60 Hz @30°C (86°F)	—		2.90	N/A	N/A	N/A	N/A
1 MHz @30°C (86°F)	—		4.00	N/A	N/A	N/A	N/A
Dielectric Constant:		ASTM D 150					
60 Hz @30°C (86°F)	—		3.90	N/A	N/A	N/A	3.01
1 MHz @30°C (86°F)	—		3.30	N/A	N/A	N/A	2.96
Dielectric Strength:		ASTM D 149					
Normal	volts/mil		690	N/A	N/A	760	425
Moist	volts/mil		700	N/A	N/A	N/A	N/A

NOTE: To the best of our knowledge the above information is accurate, is based upon accepted technical practices and is believed to be reliable. Panduit assumes no liability for the accuracy or completeness of this information.

Raceway Typical Specifications

FIBER-DUCT™ ROUTING SYSTEM:

The ***FIBER-DUCT*** non-metallic system shall be used to route, protect and conceal fiber optic, Category 5 UTP, ScTP and coaxial cables in communication closets. ***FIBER-DUCT*** solid and slotted wiring raceways shall have non-slip snap-on covers as well as a full complement of fittings. The system shall be manufactured in yellow, orange, black and gray colors from impact-resistant PVC with a flammability rating of U.L. 94V-0. In addition, a clear polycarbonate version for low smoke/halogen applications shall be available. 2" x 2" and 4" x 4" sizes shall be available along with fittings that have a 2" bend radius and mounting brackets. The ***FIBER-DUCT*** Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode.

PAN-WAY™ TYPE LDP SURFACE RACEWAY:

Type LDP non-metallic single channel, one-piece tamper resistant latch design, adhesive backed, hinged cover, surface raceway, shall be used to route, protect and conceal data, voice, video, fiber optic or power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A and LDP10 rated up to 300V by Canadian Standards Association per 22.2 No. 62-93, when installed per instructions. The raceway will include a full complement of power bend radius control (BRC), and standard fittings consisting of, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, entrance fittings, reducer fittings, tee fittings and an optional raceway installation tool. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. Type LDP surface raceway will be manufactured in 3 different lengths from impact-resistant material with a flammability rating of UL94V-0. Type LDP Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type LDP Raceway shall be available in 3 sizes, five standard colors and shall be optimized for use with the ***PANDUIT®*** ***PAN-NET***™ Network Cabling System.

PAN-WAY™ LD2P10 SURFACE RACEWAY:

Type LD2P10 non- metallic, two channel, one piece tamper resistant latch design, adhesive backed, hinged cover, surface raceway shall be used to route, protect, and conceal data, voice, fiber optic, and power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. Standard 5A, and rated up to 300V by Canadian Standards Association Standard 22.2 No. 62-93, when screw secured and installed per instructions. The raceway will include a full complement of fittings which maintain a 1" minimum bend radius, complaint with TIA/EIA Standards 568-A, as well as junction boxes which allow termination of both power and communications cabling. Type LD2P10 raceway will be manufactured from impact-resistant material with flammability rating of UL94V-0. Type LD2P10 raceway finish shall be pure color and will resist scratches and dents, and will not peel or corrode. Type LD2P10 raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT*** ***PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE LD SURFACE RACEWAY:

Type LD non-metallic single channel, a one-piece design, adhesive backed, hinged cover surface raceway, shall be used to route, protect and conceal low voltage data, voice, and video cabling. The raceway will include a full complement of bend radius control (BRC) and standard fittings consisting of, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, entrance fittings, reducer fittings, and tee fittings. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. Type LD raceway will be manufactured in 3 different lengths from impact-resistant material with a flammability rating of UL94V-0. Type LD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type LD Raceway shall be available in 3 sizes and five standard colors and shall be optimized for use with the ***PANDUIT*** ***PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE LDS SURFACE RACEWAY:

Type LDS non-metallic surface raceway will be a one piece, solid raceway used to route, protect, and conceal data network, voice, or power cabling. The raceway shall be listed as suitable for use in applications having up

Raceway Typical Specifications (cont'd)

top 600 volts between conductors by Underwriters Laboratories, Inc. per standard 5A when screw secured with mounting straps and per installation instructions. The raceway shall be manufactured from impact resistant material with a flammability rating of UL94V-0. A full complement of power, 1" bend radius control (BRC), and standard snap-on fittings must be available. All fittings and boxes shall be tamper resistant to prevent unauthorized access to cables. Type LDS Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. It shall be optimized for use with the ***PANDUIT® PAN-NET™*** Network Cabling System.

PAN-WAY™ TYPE CD SURFACE RACEWAY:

Type CD non-metallic single channel surface raceway, shall be used to route, protect and conceal low voltage data, voice, and video cabling. The raceway shall be available in 3 sizes and shall include a full complement of bend radius control and standard fittings including, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, and tee fittings. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. The raceway shall consist of an adhesive backed base and separate cover. Screw mounted metal base pieces shall be available to mount the raceway to irregular mounting surfaces and to masonry surfaces. Type CD raceway must be manufactured from impact-resistant material with a flammability rating of UL94V-0. Type CD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type CD Raceway shall be available in five standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE PD SURFACE RACEWAY:

Type PD, a two-piece single channel non-metallic surface raceway, shall be used to route, protect and conceal data, voice, video, or power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A and up to 300V by Canadian Standards Association per 22.2 No. 62-93, when screw-secured and installed per instructions. The single-channel raceway shall include a full complement of power rated fittings including, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, wire retainers, tee fitting and flexible fittings for raceway to raceway applications. The raceway shall consist of an adhesive backed base and cover. Type PD raceway must be tamper-resistant and must be manufactured from impact-resistant material with a flammability rating of UL94V-0. Type PD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type PD Raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE T-70 SURFACE RACEWAY:

Type T-70 non-metallic multi-channel capable surface raceway shall be used to route, protect, and conceal data, voice, video, fiber optic and power cabling. The raceway shall be listed as suitable for use in applications up to 600 volts between conductors by Underwriters Laboratories, Inc. per standard 5A, and up to 300 volts by Canadian Standards Association, Inc. per 22.2 no. 62-93, when screw secured and installed per instructions. A full complement of fittings with a 1" minimum bend radius complaint with TIA/EIA 568-A, must be available as well as device brackets and internal junction boxes to install a variety of communication and electrical devices. Divider walls must be available to form separate channels in the multi-channel raceway. "Snap-on" faceplates for data and power terminations shall be available. An offset box shall be available, with versions for "snap-on" as well as "screw mount" faceplates, for mounting the power receptacle outside of the raceway channel. Type T-70 raceway will be manufactured from impact-resistant material with flammability rating of 94V-0. Type T-70 raceway must be tamper resistant yet also allow access for moves, adds and changes. Type T-70 Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type T-70 Raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT® PAN-NET™*** Network Cabling System.

PAN-WAY™ TWIN 70 SURFACE RACEWAY:

Twin 70 non-metallic, multi-channel surface raceway shall be used to route, protect, and conceal data, voice, fiber optic, and power cabling. The raceway shall be listed as suitable for use in applications up to 600V between

Raceway Typical Specifications (cont'd)

conductors by Underwriters Laboratories, Inc. standards 5A, and up to 300V by Canadian Standards Association, Inc. per standard 22.2 no. 62-93, when screw - secured and installed per instructions. A full complement of fittings which maintain a 1" minimum bend radius, compliant with TIA/EIA Standards 568-A, must be available as well as device brackets to install a variety of communication and electrical devices. The raceway shall provide two separate covers to maintain total separation of power and low voltage cabling. "Snap-on" faceplates for data and power terminations shall be available. Twin 70 raceway must be tampered resistant yet also allow access for moves, adds, and changes. Twin 70 shall be manufactured from impact-resistant material with a flammability rating of UL 94V-0. Twin 70 raceway finish shall be pure color and will resist scratches and dents, and will not peel or corrode. Twin 70 raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT®*** ***PAN-NET™*** Network Cabling System.

PAN-WAY™ TYPE T SURFACE RACEWAY

Type T non-metallic multi-channel surface raceway shall be used to route, protect and conceal power and/or communications cabling. The raceway shall be listed as suitable for use in applications up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A, and up to 300V by Canadian Standards Association, Inc. per 22.2 No. 62-93, when screw-secured and installed per instructions. A full complement of power rated fittings, must be available as well as device brackets to install a variety of communication and electrical devices. Divider wall must be available to form up to 2 separate channels in the multi-channel raceway. Type T raceway must be tamper-resistant yet also allow access for moves, adds and changes and must be manufactured from impact-resistant material with a flammability rating of U.L. 94V-0. Type T Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type T Raceway mounting brackets shall be available to mount to irregular mounting surfaces. Type T Raceway shall be available in three sizes and four standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

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