

A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

PAN-WAY® NON-METALLIC SURFACE RACEWAY

Pan-Way® Non-Metallic Surface Raceways provide maximum flexibility for routing, protecting, concealing and terminating high performance copper, voice, video, fiber optic and power cabling. Panduit surface raceways are designed with attention to function and aesthetics to blend with any décor. Panduit surface raceway systems include transition fittings that facilitate seamless integration of one Panduit surface raceway system to another. Panduit Surface Raceway Systems work with all Panduit® Mini-Com® Modules for complete connectivity possibilities.



- Aesthetically pleasing
- Lightweight
- Tamper resistant
- Bend radius control
- Resists dents and conceals scratches and chips
- Ease of modifications and additions
- Lowest installed cost

Panduit surface raceway provides a variety of choices when selecting data and electrical terminations. All Panduit surface raceways include a full complement of fittings that are designed to maintain the proper bend radius control required for high performance copper and fiber optic cabling systems. All of the raceways accept either NEMA 70mm standard screw-on faceplates or superior Pan-Way® Snap-On Faceplates. Panduit surface raceway systems work with all Panduit® Mini-Com® Modules, for complete connectivity possibilities.

PAN-WAY® TG-70 NON-METALLIC SURFACE RACEWAY

Pan-Way® TG-70 Non-Metallic Surface Raceway is a multi-channel raceway, which provides a solution for routing copper, fiber optic, and/or power cabling when maximum cable capacity is required.



- Large raceway channel provides maximum capacity
- Fittings maintain 40mm (1.6 inch) bend radius control
- Multi-channel two-piece design
- Aesthetically pleasing
- Lightweight
- Tamper resistant



The TG-70 raceway system consists of raceway base and cover, fittings, termination hardware and accessories. Pan-Way® TG-70 Raceway can mount NEMA standard screw-on faceplates or superior Pan-Way® Snap-On Faceplates directly to the channel. Fittings for TG-70 are available to transition to Pan-Way® T-45 and LD raceway.

A.
System
Overview

B1.
Cable
Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

A.
System
Overview

TG-70 Raceway Roadmap

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

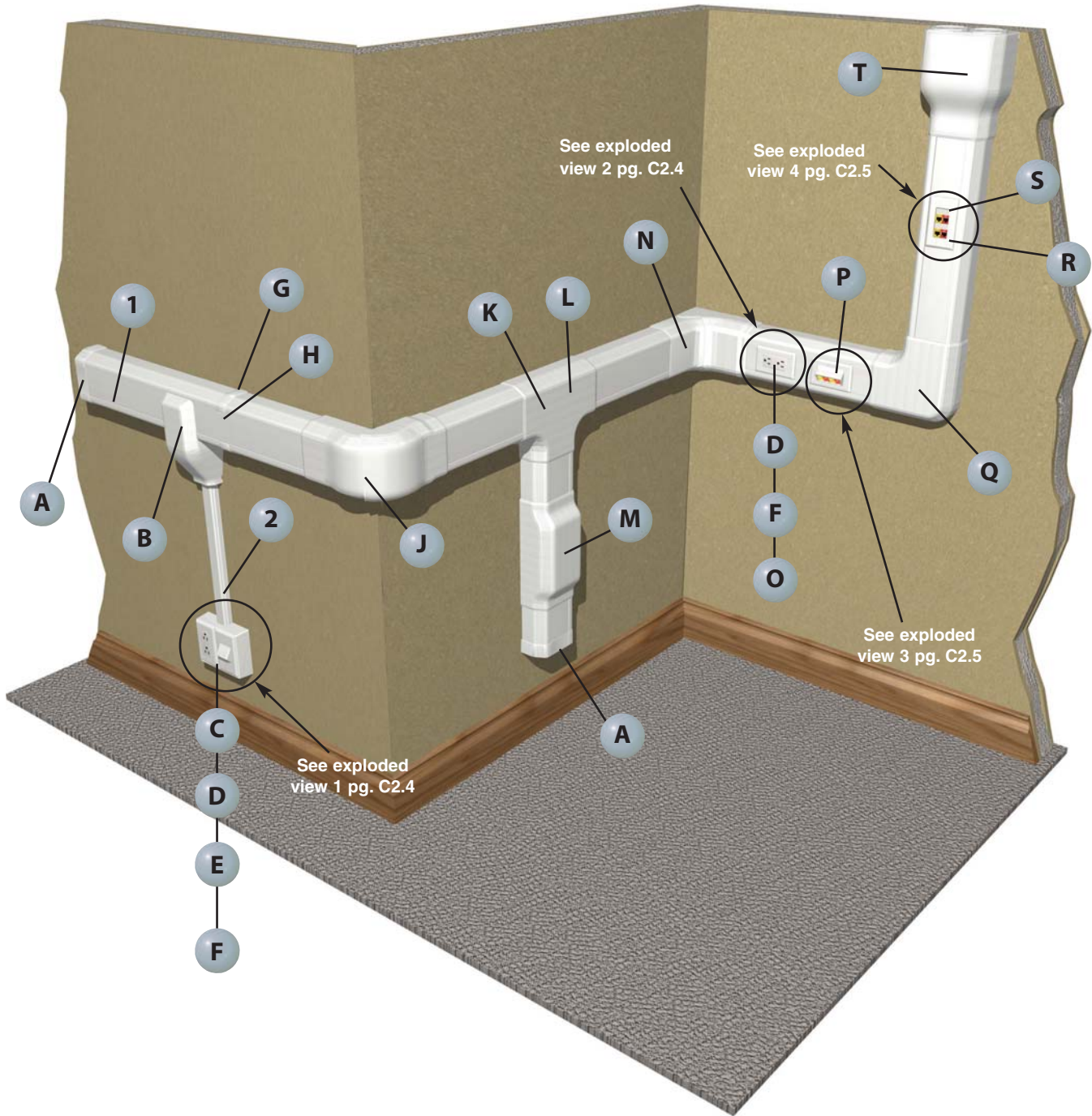
E2.
Labels

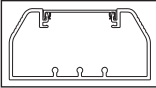
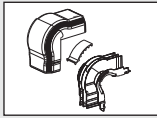
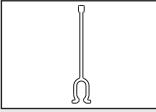
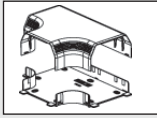

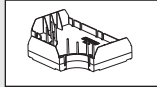
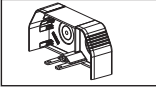
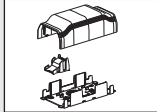
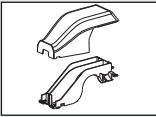

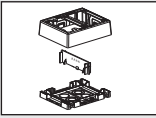
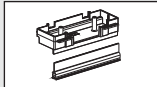
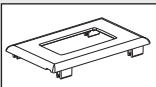


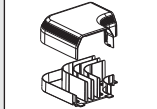
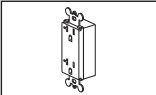
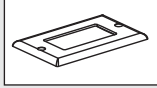
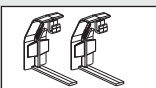
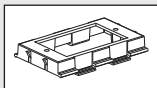
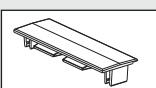

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout/
& Safety
Solutions

F.
Index



	1 TG-70** – TG-70 Raceway Base and Cover (page C2.6)		J TGOC** — TG-70 Outside Corner Fitting (page C2.7)
	1 TGDW – TG-70 Raceway Divider Wall (page C2.6)		K TGT** — TG-70 Tee Fitting (page C2.7)
	2 LD2P10** – Raceway (page C2.57)		L TGTD — TG Tee Divider (page C2.7)
	A TGEC** – TG-70 End Cap (page C2.7)		M TGBF** — TG-70 Backfeed Fitting (page C2.7)
	B TGTR** – TG-70 Transition Fitting (page C2.7)		N TGIC** — TG-70 Inside Corner Fitting (page C2.7)
	C JBP2FS** – Fast-Snap™ Double Gang Power Rated Surface Mount Box (page C2.34)		O TG70HB3-X – TG-70 Hanging Box with Divider Wall (page C2.8)
	D T70PG** – Single Gang Rectangular Electrical/Communication Snap-On Faceplate (page C2.35)		P UIT70FH4** – Ultimate ID® Sloped Horizontal Snap-On Faceplate
	E T70FV2** – Vertical Sloped Communication Snap-On Faceplate (page C2.34)		Q TGRA** – TG-70 Right Angle Fitting (page C2.7)
	F ERU20** – 20 A Rectangular Electrical Outlet (page C2.43)		R CPG** – Single Gang Rectangular Power and Communication Faceplate (page C2.42)
	G TG70BC** – TG-70 Base Couplers (page C2.7)		S T70DB-X – T-70 Device Mounting Bracket (page C2.8)
	H T70CC** – T-70 Cover Couplers (page C2.7)		T TGEE** – TG-70 Entrance End Fitting (page C2.7)

A.
System
Overview

B1.
Cable
Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

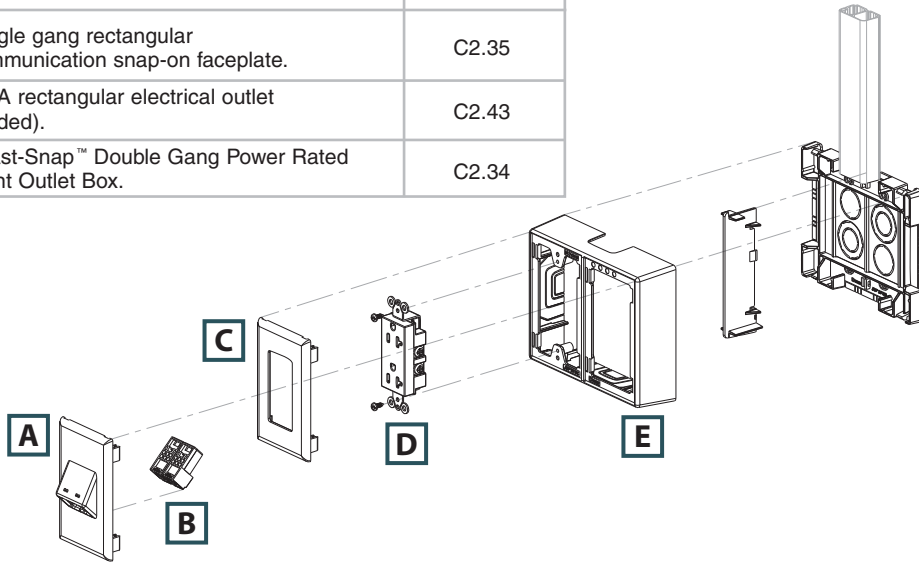
A.
System
Overview

TG-70 Configurations

B1.
Cable Ties

Exploded View 1

	Components Required	See page
A.	T70FV2 = Vertical sloped communication snap-on faceplate.	C2.34
B.	Panduit® Mini-Com® Modules.	—
C.	T70PG = Single gang rectangular electrical/communication snap-on faceplate.	C2.35
D.	ERU20 = 20 A rectangular electrical outlet (screws included).	C2.43
E.	JBP2FS = Fast-Snap™ Double Gang Power Rated Surface Mount Outlet Box.	C2.34



C2.
Surface
Raceway

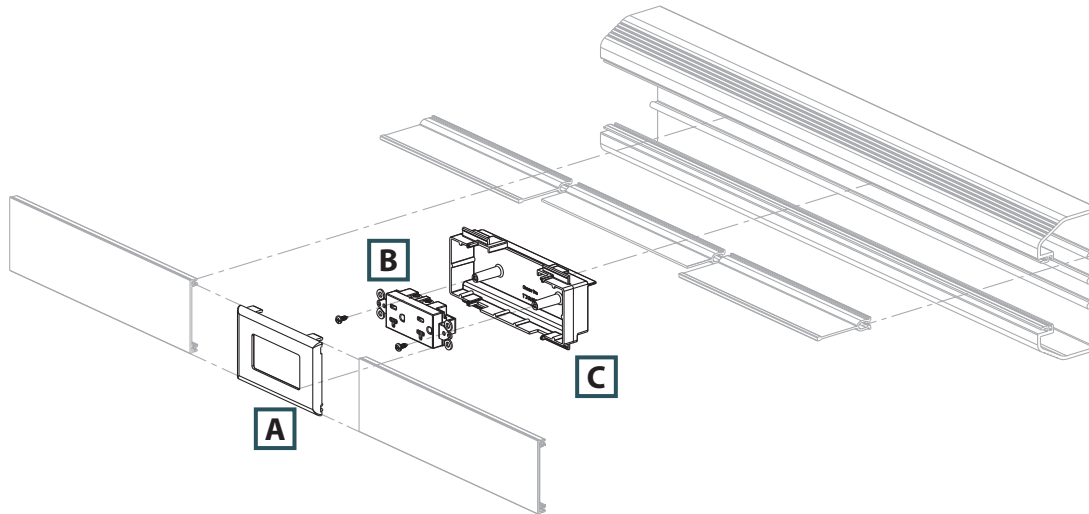
C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

Exploded View 2

	Components Required	See page
A.	T70PG = Single gang rectangular electrical/communication snap-on faceplate.	C2.35
B.	ERU20 = 20 A rectangular electrical outlet (screws included).	C2.43
C.	TG70HB3 = TG-70 3-sided hanging box.	C2.8



E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

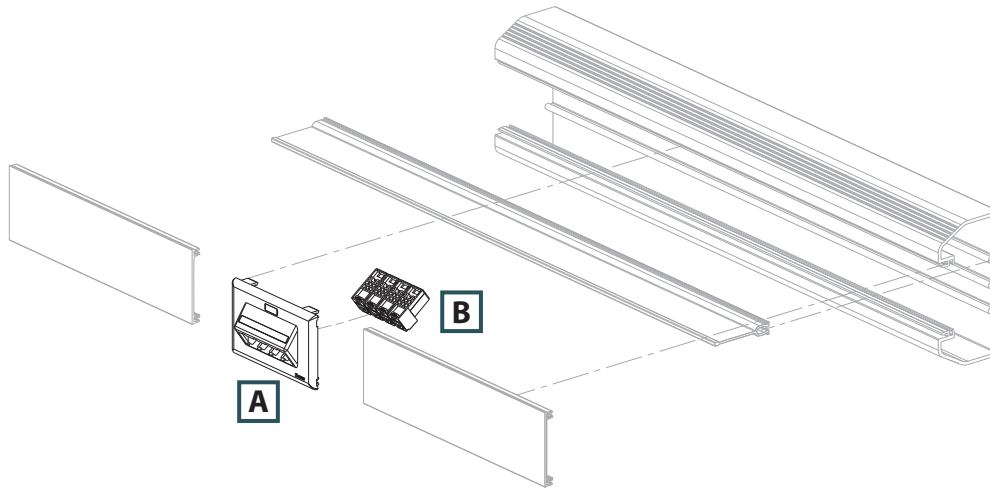
E5.
Lockout/
Tagout/
& Safety
Solutions

F.
Index

TG-70 Configurations (continued)

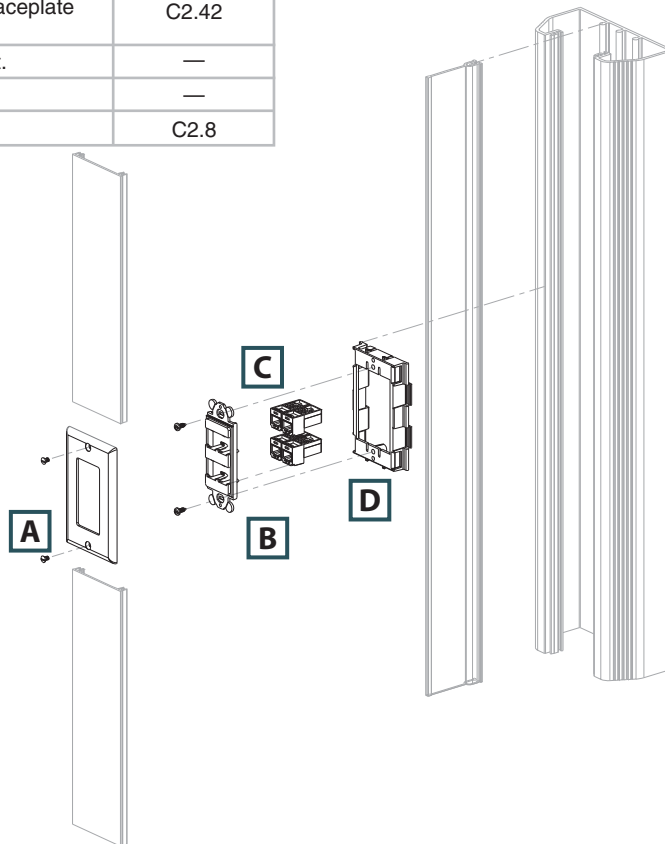
Exploded View 3

	Components Required	See page
A.	UIT70FH4 = Ultimate ID® Sloped Horizontal Snap-On Faceplate – 4-port.	—
B.	Mini-Com® Modules.	—



Exploded View 4

	Components Required	See page
A.	CPG = Single gang rectangular screw-on faceplate (screws included).	C2.42
B.	CFG4 = Mini-Com® Module Frame – 4-port.	—
C.	Mini-Com® Modules.	—
D.	T70DB-X = T70 device bracket.	C2.8



A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout/
& Safety
Solutions

F.
Index

A.
System
Overview



Pan-Way® TG-70 Surface Raceway System

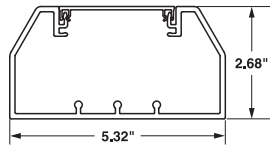
B1.
Cable
Ties

- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Large cable capacity with aesthetically pleasing design
- Tamper resistant

- Compatible with NEMA standard faceplates or Pan-Way® Classic Series Snap-On Faceplates
- Transitions to Panduit T-45 and LD profile raceway
- Supplied with pre-punched mounting holes

B2.
Cable
Accessories

B3.
Stainless
Steel
Ties



TG-70
Internal Area = 10.85 Sq. In.

C1.
Wiring
Duct



TG70

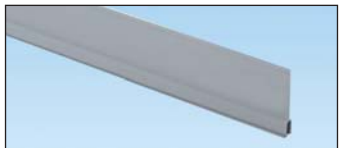
C2.
Surface
Raceway

C3.
Abrasion
Protection



T70C

C4.
Cable
Management



TGDW

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout/
& Safety
Solutions

Part Number	Part Description	Raceway Size	Color‡	Length (Ft.)	Std. Ctn. Qty.
-------------	------------------	--------------	--------	--------------	----------------

TG-70 Raceway Base and Cover — PACKAGED TOGETHER

TG70IW8	TG-70 raceway base in 8' and 10' lengths. Supplied with pre-punched mounting holes.	5.32" x 2.68" (135.0mm x 68.0mm)	Off White	8	32
TG70IW10				10	40

T-70/TG-70/Twin-70 Raceway Cover

T70CIW8	T-70, TG-70, or Twin-70 raceway cover in 8' and 10' lengths.	—	Off White	8	96
T70CIW10				10	120

TG Raceway Divider Wall

TGDW8	TG raceway divider wall. Snaps onto rails in TG raceway base to create separate channels. Must use wire retainers to ensure channel separation per UL/CSA. Available in 8' and 10' lengths.	—	Gray	8	64
TGDW10				10	80

‡For other colors replace IW (Off White) with EI (Electric Ivory).
Order number of feet required in multiples of standard carton quantity.



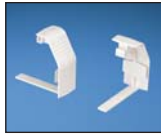


Pan-Way® TG-70 Raceway Fittings

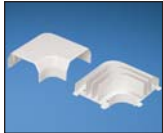
- TG-70 fittings are designed to exceed the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems



T70CC



TG70BC



TGRA



TGIC



TGSIC



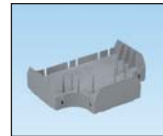
TGOIC



TGSOC



TGT



TGTD



TGEC



TGEE



TGTR



TGBF



TGBFI

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70CCIW-X	T-70 cover coupler fitting: Joins cover sections of T-70, Twin-70, and TG-70. raceway cover together.	Off White	10	100
TG70BCIW-X	Base coupler fitting. Each piece includes two base coupler halves for joining sections of TG-70 base together.	Off White	10	—
TGRAIW	Right angle fitting. Used to join sections of TG raceway at 90° flat junctions.	Off White	1	10
TGICIW	Inside corner fitting. Used to join sections of TG raceway at inside corners. Fittings adjust from 85° to 135° to adapt to non-square corners.	Off White	1	—
TGSICIW	Inside corner fitting – non-adjustable. Used to join sections of TG raceway at inside corners.	Off White	1	10
TGOICIW	Outside corner fitting. Used to join sections of TG raceway at outside corners. Fittings adjust from 85° to 135° to adapt to non-square corners.	Off White	1	—
TGSOCIW	Outside corner fitting – non-adjustable. Used to join sections of TG raceway at inside corners.	Off White	1	10
TGTIW	Tee fitting. Used to join sections of TG raceway at tee intersections.	Off White	1	5
TGTD	Tee divider insert. Mounts inside TGT tee fitting to maintain channel separation in TG raceway at tee intersections.	Gray	1	5
TGECIW	End cap. Used to terminate or allow entry to TG raceway. Two knockouts each for .50"(12.7mm) and 1"(25.4mm) conduit.	Off White	1	10
TGEEIW	Entrance end fitting. Accepts large conduit, (up to 2") in line or at a right angle. Maintains a 40mm bend radius with a removable insert and channel separation.	Off White	1	10
TGTRIW	Transition fitting from TG to T-45. Provides a tee transition from TG raceway to T-45 and LD series size 5 and 10. Use with RF5X3 reducer fitting to transition to LD series size 3.	Off White	1	10
TGBFIW	Backfeed fitting. Features breakouts to enter through the bottom of the fitting and maintains bend radius control with a removable, bend radius insert and channel separation.	Off White	1	10
TGBFI	Backfeed fitting insert. Removable and maintains bend radius control.	Gray	1	10

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

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/ Tagout & Safety Solutions

F. Index



A.
System
Overview

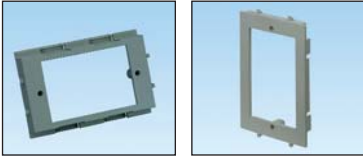


Pan-Way® TG-70 Raceway Accessories

B1.
Cable Ties

- TG-70 accessories consist of device mounting brackets, standard faceplate brackets for data, wire retainers and fiber spool brackets; the three-sided hanging box is used to mount NEMA standard single gang outlet and communications devices

B2.
Cable
Accessories



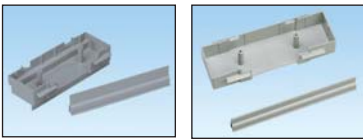
T70DB-X

T70SDB-X

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

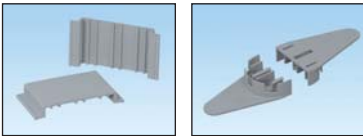


TG70HB3-X

TG70HB3GFCI-X

C3.
Abrasion
Protection

C4.
Cable
Management



TG70WR-X

TGFSB

D1.
Terminals

D2.
Power
Connectors



TGFSB installed in TG-70 raceway

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout/
& Safety
Solutions

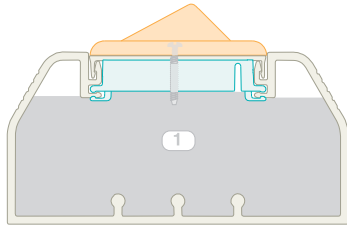
F.
Index

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T70DB-X	Device mounting bracket. Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates. Can be used with T-70, Twin-70, and TG-70 raceway.	Gray	10	—
T70SDB-X	Standard faceplate bracket. Used to mount NEMA standard 70mm single gang screw-on faceplates. Can be used with T-70, Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole.	Gray	10	—
TG70HB3-X	3-sided hanging box. Mounts standard electrical outlets or communication devices with either NEMA standard single gang screw-on or Panduit snap-on faceplates. When used with TGDW divider wall, box separates and fully encloses device to provide cabling separation.	Gray	10	—
TG70HB3GFCI-X	GFCI 3-sided hanging box. Accepts single gang U.S. GFCI (ground fault circuit interrupter) standard electrical devices. Provides increased internal area for connections and excess wire.	Gray	10	—
TG70WR-X	Wire retainer. Holds wires in place during installation.	Gray	10	100
TGFSB	Fiber spool bracket. Each piece consists of two halves that snap into base of TG raceway. Provides method to contain one meter or more of fiber slack and acts as a strain relief while maintaining a minimum 32mm bend radius. Bracket separation can be adjusted to fit the length of slack required.	Gray	1	10



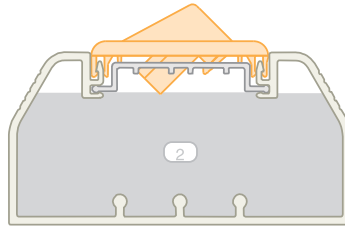
Cable Fill Capacities for TG-70 Raceway

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



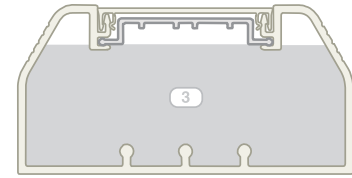
A = 10.09 in.²

Cable fill #1: With data only using screw-on faceplates and devices.



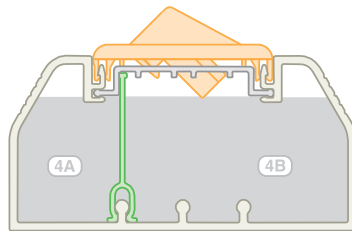
A = 10.68 in.²

Cable fill #2: With data only using snap-on faceplates and wire retainer.



A = 10.85 in.²

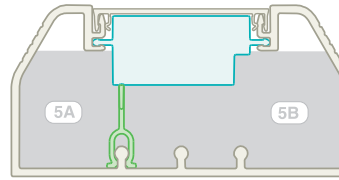
Cable fill #3: With wire retainer.



A = 3.16 in.²

A = 7.20 in.²

Cable fill #4: Divided (see 5A and 5B for power and data applications).



A = 3.08 in.²

A = 5.58 in.²

Cable fill #5: With Power and data using snap-on faceplates and 3-sided power box.

Raceway Type and Configuration	Fill Area (In. ²)	Electrical Cables			Data Grade Cables		Data Grade Cables		Audio/Video		Fiber Optic Cable	
		14 AWG	12 AWG	10 AWG	24 AWG/UTP CM		24 AWG/UTP CM		RG6		2 Strand	
		THHN/T90			Cat. 6		Cat. 6A		DIA. = 0.275		DIA. = 0.175	
		FILL			FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
		(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)
1. TG70: Data only using screw-on faceplates and devices.	10.09	—	—	—	82	123	47	70	67	101	167	251
2. TG70: Data only using snap-on faceplates and wire retainer.	10.68	—	—	—	87	130	49	74	71	107	177	266
3. TG70: Wire retainer without devices.	10.85	40	40	38	88	132	50	76	73	109	180	270
4A. TG70: Divided power and data (A).	3.16	28	28	26	—	—	—	—	—	—	—	—
4B. TG70: Divided power and data (B).	7.20	—	—	—	58	88	33	50	48	72	119	179
5A. TG70: Power and data using snap-on faceplates and 3-sided power box (A).	3.08	28	28	26	—	—	—	—	—	—	—	—
5B. TG70: Power and data using snap-on faceplates and 3-sided power box (B).	5.58	—	—	—	45	68	26	39	37	56	92	139

AWG dimensions represent typical outer cable diameter in inches.