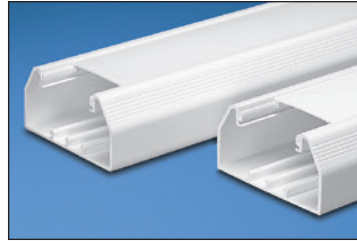


# Pan-Way® TG-70 Surface Raceway System

## specifications

TG non-metallic multi-channel 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 by Canadian Standards Association, Inc. per 22.2 no. 62.1-03, when screw secured and installed per instructions. A full complement of fittings with a 40mm (1.6") minimum bend radius compliant with TIA/EIA-568-B 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. Panduit "snap-on" faceplates for data and power terminations shall be available. TG raceway will be manufactured from impact-resistant material with flammability rating of V-0. TG raceway must be tamper resistant, yet allow access for moves, adds and changes. TG raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. TG raceway shall be available in three standard colors and shall be optimized for use with the Panduit® Pan-Net® Communication System.



## technical information

<b>Material:</b>	Rigid PVC
<b>Flammability:</b>	UL94V-0; FT4
<b>Voltage rating:</b>	UL-5A 600VAC; CSA C22.2 No. 62.1-03 600V
<b>Approvals:</b>	UL Listed 95425 (raceway); UL Listed E116129 (fittings); CE Listed
<b>NEC:</b>	Article 388
<b>Color:</b>	Off-White (IW) and Electrical Ivory (EI); International Gray (IG) available in 8' lengths only.
<b>CSI spec form:</b>	LP-CSISPEC-TG70-1

## key features and benefits

<b>Large cable capacity</b>	Provides maximum cable routing space which allows for a large number of cables to be routed within a single raceway channel
<b>40mm (1.6) bend radius control fittings</b>	Increased bend radius control to satisfy the needs and maximizes the headroom of larger diameter high performance copper cable and fiber optic cabling
<b>Snap-on faceplates</b>	Faceplates snap directly onto the raceway base; cabling can be quickly accessed by removing only the faceplate, which requires less labor and lowers the cost of maintenance
<b>Channel has a 70mm opening</b>	Accepts any manufacturer's NEMA standard snap-on or screw-on power or communication faceplates
<b>Non-metallic construction</b>	Lightweight, reducing installer fatigue; solid color through out profile will not chip, peel, rust, corrode, or scratch; easy to cut reducing the need for special cutting devices; high impact resistance; durable
<b>Designer profile</b>	Aesthetically pleasing and matches a wide variety of decors
<b>Available in three standard colors</b>	Matches a variety of colors for various applications of decors

## applications

Pan-Way® TG-70 Surface Raceway is a multi-channel channel raceway which provides a solution for routing low voltage, fiber optic and/or power cabling when maximum cable

capacity is required. TG-70 Raceway can mount NEMA standard screw-on faceplates or superior Pan-Way® Snap-On Faceplates directly to the channel.

### Pan-Way® TG-70 Raceway

#### Raceway Base and Cover (packaged together)

**8 feet:** TG70IW8  
**10 feet:** TG70IW10

#### Replacement Cover

**8 feet:** T70CIW8  
**10 feet:** T70CIW10

#### Divider Wall

**8 feet:** TGDW8  
**10 feet:** TGDW10

### TG-70 Raceway Fittings and Accessories

**Base coupler:** TG70BCIW-X

**Cover coupler:** T70CCIW-X

#### Adjustable

**outside corner fitting:** TGOCIW

#### Adjustable

**inside corner fitting:** TGICIW

#### Non-adjustable

**inside corner fitting:** TGSICIW

#### Non-adjustable

**outside corner fitting:** TGSOCIW

#### Right angle

**fitting:** TGRAIW

**End cap fitting:** TGECIW

**Tee fitting:** TGTIW

#### Tee divider

**insert:** TGTD

#### Transition

**fitting:** TGTRIW

**Wire retainer:** TG70WR-X

**Device bracket:** T70DB-X

#### Three sided

**hanging box:** TG70HB3-X

#### GFCI three sided

**hanging box:** TG70HB3GFCI-X

**Backfeed fitting:** TGBFIW

#### Backfeed fitting

**insert:** TGBFI

#### Entrance end

**fitting:** TGEEIW

#### Standard

**faceplate bracket:** T70SDB-X

#### Fiberspool

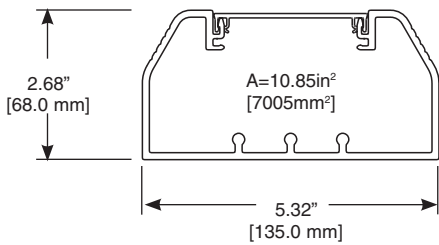
**bracket (2 halves):** TGFSB

For standard colors other than Off White (IW), replace IW in part number with EI (Electrical Ivory) or IG (International Gray). International Gray available in 8' lengths only.

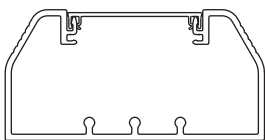
# Pan-Way® TG-70 Surface Raceway System

## Wire Fill

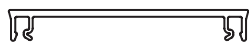
Raceway Type and Configuration	Fill Area (in <sup>2</sup> )	Electrical Cables			Data Grade Cables										Coax Cables				Fiber Optic Cable									
		14 AWG	12 AWG	10 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG
		THHN/THWN/T90			Cat. 5e – Plenum		Cat. 5e – Riser		Cat. 6		Cat. 6A		Cat. 6A		Cat. 6A		Cat. 6A (SD)		RG6		RG59/u		2 Strand					
		0.111	0.130	0.164	DIA = 0.193		DIA = 0.225		DIA = 0.240		DIA = 0.289		DIA = 0.300		DIA = 0.330		DIA = 0.240		DIA = 0.275		DIA = 0.242		DIA = 0.175					
		FILL			FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL					
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
		(UL Temp Rise Test)			(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)		(40%) (60%)					
TG70: Data Only using Screw on Faceplates and Devices	10.09	**	**	**	137	206	101	152	89	133	61	92	57	85	47	70	89	133	67	101	87	131	167	251				
TG70: Data Only using Snap-on Faceplates and Wire Retainer	10.68	**	**	**	146	219	107	161	94	141	65	97	60	90	49	74	94	141	71	107	92	139	177	266				
TG70: Wire Retainer without Devices	10.85	40	40	38	148	222	109	163	95	143	66	99	61	92	50	76	95	143	73	109	94	141	180	270				
TG70: Divided Power and Data (A)	3.16	28	28	26	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**				
TG70: Divided Power and Data (B)	7.20	**	**	**	98	147	72	108	63	95	43	65	40	61	33	50	63	95	48	72	62	93	119	179				
TG70: Power and Data using Snap-On Faceplates and 3 Sided Power Box (A)	3.08	28	28	26	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**				
TG70: Power and Data using Snap-On Faceplates and 3 Sided Power Box (B)	5.58	**	**	**	76	114	56	84	49	74	34	51	31	47	26	39	49	74	37	56	48	72	92	139				



## TG-70 Raceway



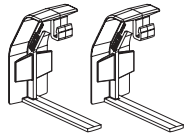
TG70



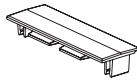
T70C (Replacement Cover)

# Pan-Way® TG-70 Surface Raceway System

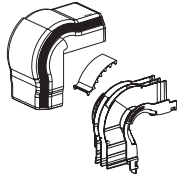
## Fittings and Accessories



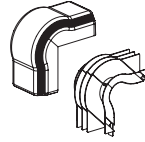
TG70BC-X



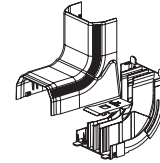
T70CC-X



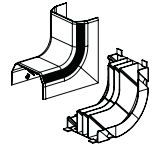
TG0C



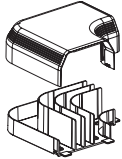
TGSOC



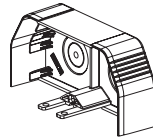
TGIC



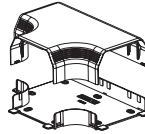
TGSIC



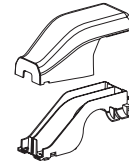
TGRA



TGEC



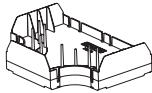
TGT



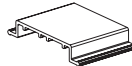
TGTR



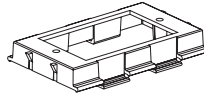
TGDW



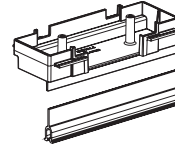
TGTD



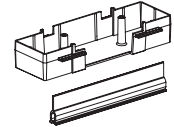
TG70WR-X



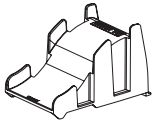
T70DB-X



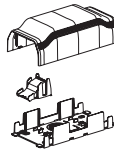
TG70HB3-X



TG70HB3GFCI-X



TGBFI



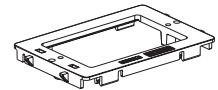
TGBF



TGEE



TGFSB



T70SDB-X

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