

# Pan-Way® T-45 Surface Raceway System

## specifications

T-45 non-metallic multi-channel, two-piece, hinged cover design 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 1" minimum bend radius compliant with TIA/EIA-568-B, must be available as well as device brackets and 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. An offset box shall be available, with versions for "snap-on" as well as "screw mount" faceplates, for mounting the power receptacle or the data receptacles outside of the raceway channel. T-45 raceway will be manufactured from impact resistant material with flammability rating of V-0. T-45 raceway must be tamper resistant yet also allow access for moves, adds and changes. T-45 raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode.



## technical information

<b>Material:</b>	Rigid PVC
<b>Flammability:</b>	UL94V-0
<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)
<b>NEC:</b>	Article 388
<b>Color:</b>	IW (Off White), EI (Electrical Ivory), WH (White) available in 8 foot lengths only without adhesive
<b>CSI spec form:</b>	LP-CSISPEC-T45-1

## key features and benefits

<b>Unique size</b>	Provides capacity for up to 22 Category 5e cables in a 2.38" footprint which allows greater flexibility to match the raceway to the application
<b>1" bend radius control fittings</b>	Meets TIA/EIA standard and many warranty requirements
<b>Designer profile</b>	Maintains the same aesthetically pleasing profile of Panduit® T-70, Twin-70 and TG-70 Raceway which allows all four systems to work together or independently
<b>Multi-directional hinge</b>	Easy access from either side of the raceway provides more convenience for moves, adds and changes; latch is tamper resistant which provides maximum security for communication cabling and maximum safety for power cabling
<b>Multi-channel capable</b>	Capable of routing both power and communication cabling in a single raceway
<b>Multi-termination options</b>	Ability to create many different configurations using proprietary or standard faceplate solutions provides more flexibility to meet end-user connectivity preferences

## applications

Pan-Way® T-45 Non-Metallic Surface Raceway is a multi-channel channel raceway which provides solutions for routing low voltage, fiber optic and/or power cabling along perimeter walls. T-45 Surface Raceway terminates using the T-45 Hinged Data

and Power Brackets, T-45 Offset Box and Pan-Way® Surface Mount Outlet Boxes and superior Pan-Way® Snap-On Faceplates. Fittings for T-45 are available to transition to Pan-Way® LD Series Raceways.

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### Pan-Way® T-45 Raceway

<b>Bases with adhesive</b>	
<b>8 feet:</b>	T45BIW8-A
<b>10 feet:</b>	T45BIW10-A

<b>Bases without adhesive</b>	
<b>8 feet:</b>	T45BIW8
<b>10 feet:</b>	T45BIW10

<b>Covers</b>	
<b>8 feet:</b>	T45CIW8
<b>10 feet:</b>	T45CIW10

<b>Divider walls</b>	
<b>8 feet:</b>	T45DW8
<b>10 feet:</b>	T45DW10

### T-45 Raceway Fittings

<b>Cover coupler fitting:</b>	T45CCIW-X
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<b>Outside corner fitting:</b>	T45OCIW
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<b>Inside corner fitting:</b>	T45ICIW
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<b>Right angle fitting:</b>	T45RAIW
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<b>End cap fitting:</b>	T45ECIW
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<b>Entrance end fitting:</b>	T45EEIW
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<b>Bend radius control fitting:</b>	T45TRI
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<b>Reducer fitting:</b>	T45RLDIW
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<b>Tee fitting:</b>	T45TIW
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<b>Insert for tee fitting:</b>	T45TD
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### T-45 Raceway Accessories

<b>Hinged data bracket:</b>	T45HDBIW
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<b>Wire retainer:</b>	T45WR-X
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<b>Workstation Outlet Center™ Offset box:</b>	T45WCIW
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<b>Workstation Outlet Center™ Offset box:</b>	T45WC2IW
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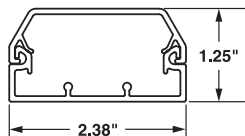
<b>Electrical bracket and box for duplex outlets:</b>	T45HEBIW
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<b>Electrical bracket and box for rectangular outlets:</b>	T45HEGBIW
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For standard colors other than IW (Off White), replace IW in part number with EI (Electric Ivory). WH (White) is available in 8 foot lengths without adhesive only.

# Pan-Way® T-45 Surface Raceway System

## Wire Fill



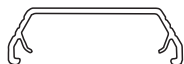
T-45  
Internal Area = 2.12 Sq. In.

Raceway Type & 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
		THHN/THWN/T90			Cat. 5e – Plenum		Cat. 5e – Riser		Cat. 6 and Cat. 6A (SD)		Cat. 6A		RG6		RG59/u		2 Strand		
		0.111	0.130	0.164	DIA = 0.193		DIA = 0.225		DIA = 0.240		DIA = 0.300		DIA = 0.275		DIA = 0.242		DIA = 0.175		
		Fill			Fill		Fill		Fill		Fill		Fill		Fill		Fill		
MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	MAX	MAX	SPEC	MAX	
(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	
T-45: No Devices	2.13	36	27	25	29	43	21	32	18	28	12	18	14	21	18	27	35	53	
T-45: No Devices with wire retainer	1.72	36	27	25	23	35	17	25	15	22	9	14	11	17	14	22	28	42	
T-45: Power and data with wire retainer and divider wall (2 channels)	0.44	12	11	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1.20	—	—	—	16	24	12	18	10	15	6	10	8	12	10	15	19	29	
T-45: Power and data with wire retainer and two divider walls (3 channels)	0.44	12	11	8	6	9	4	6	3	5	2	3	2	4	3	5	7	10	
	0.68	—	—	—	9	13	6	10	6	9	3	5	4	6	5	8	11	16	
	0.44	—	—	—	6	9	4	6	3	5	2	3	2	4	3	5	7	10	
T-45: Power and data using the Workstation Outlet Center™ Offset Box	0.41	12	11	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1.06	—	—	—	14	21	10	15	9	14	5	8	7	10	9	13	17	26	
T-45: Data only using data bracket	2.00	—	—	—	27	41	20	30	17	26	11	16	13	20	17	26	33	49	
T-45 Power and Data using Hinged Data Bracket with Divider Insert	0.52	12	8	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1.20	—	—	—	16	24	12	18	10	15	6	10	8	12	10	15	19	29	
T-45: Power and Data Using Electrical Bracket and Box	0.22	9	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	0.50	—	—	—	6	10	5	7	4	6	2	4	3	5	4	6	8	12	

## T-45 Raceway



T45B



T45C

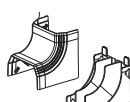
## Fittings and Accessories



T45CC\*\*X



T450C



T451C



T45RA



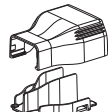
T45EC



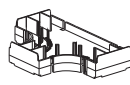
T45EE



T45TRI



T45RLD



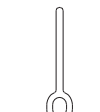
T45TD



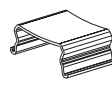
T45T



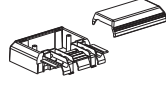
T45HDB



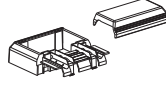
T45DW



T45WR-X



T45WC



T45WC2



T45HEB



T45HEGB

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