# Pan-Way® LD Surface Raceway System



## specifications

LD non-metallic series low voltage, one-piece hinged design, single channel surface raceway shall include adhesive backing and shall be made of impact resistant material with a smooth finish that shall not scratch, peel or corrode. The raceway shall include an assortment of bend radius and standard fittings that complement the offering to help route, protect and conceal low voltage data, voice and video cabling. LD raceway shall be available in three sizes and four standard colors that shall be optimized with the Panduit® Pan-Net® communication system.



### technical information

Material:	Rigid PVC					
Flammability:	UL94V-0; FT4					
Capacity:	Single Channel					
Voltage Rating:	50V or less					
Operating and Storage Temperature:	0 to 50° C					

## key features and benefits

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1" bend radius control fittings:	Cables in the raceway will satisfy the minimum 1" bend radius requirement, preventing the potential degradation of cable performance; meets TIA/EIA standards
One-piece hinged design:	Cables can be laid into the raceway, speeding installation and preventing damage to cables
Adhesive backing:	Full length adhesive strip allows easy tool free installation and works well for temporary mounting
Available in different sizes & lengths:	Accommodates varying cable types and capacities. Available sizes - LD3, LD5,LD10; Available lengths - 6',8',10' (2m length available in Europe only)
Non-metallic construction:	Lightweight, reducing installer fatigue and labor required to install the raceway; solid color throughout will not chip, peel, rust or corrode; easy to cut with standard saws and saw blades, eliminating the need for special cutting devices
Distinct colors:	Available in four standard colors- IW,EI,IG,WH. AW available in Europe only. Raceway is field paintable to match walls and surrounding décor
Full selection of fittings and surface mount boxes:	Wide variety of fittings and surface mount boxes available for various LD raceway applications

## applications

Pan-Way® LD Surface Raceways are designed to provide easy and economical solutions for routing any low voltage cable along smooth and clean perimeter walls,

baseboards or ceilings. This raceway is a perfect solution for schools, hospitals, offices, homes or anywhere a small, secure, low profile raceway is needed.

LD Raceway	
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Raceway: LD3IW\*\*-A LD5IW\*\*-A LD10IW\*\*-A

#### **LD Raceway Fittings**

Coupler: CF\*IW-E Inside corner: ICFC\*IW-X Outside corner: OCFC\*IW-X Right angle: RAFC\*IW-X ECF\*IW-X End cap: TFC\*IW-X Tee: Four-way cross: CRFC5IW-X Drop ceiling/

DCF\*IW-X

RF5X3IW-E

RF10X3IW-X

FBA5IW-X

entrance end:

Right angle/ entrance end: RAEFXIW-X

LD5 to LD3 reducer: LD10 to LD5

RF10X5IW-X reducer: LD10 to LD3

reducer: LD5 fire box adapter: LD10 fire box

adapter: FBA10IW-X

#### LD Raceway Installation

Installation tool: LDW\*-V

### LD Raceway Surface Mount **Outlet/Junction Boxes**

Low Voltage: Single gang,

one-piece : JB1IW-A

Single gang,

one-piece, deep: JB1DIW-A

Single gang,

two-piece: JBX3510IW-A

Single gang, two-piece,

JB1FSIW-A fast snap: In-wall box adapter: JBA-X

Power rated: Single gang,

JBP1IW two-piece:

Single gang,

two-piece, deep: JBP1DIW

Single gang,

two-piece, extension: JBP1EIW Single gang, two-piece,

intermediate:

JBP1IIW

Single gang, two-piece,

snap on: Single gang,

two-piece, round: RJBX3510IW

Double gang, two-piece:

JBP2IW

Double gang, two-piece, deep:

JBP2DIW

Double gang, two-piece, divided:

JBP2SIW

JBP1FSIW

Double gang.

two-piece, snap on: JBP2FSIW

(EI), International Gray (IG), and White (WH).

<sup>\*</sup> Insert raceway size of 3, 5, or 10

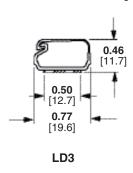
<sup>\*\*</sup> Insert raceway length of 6', 8', or 10' All parts listed in International White (IW) color. To order other colors substitute Electrical Ivory

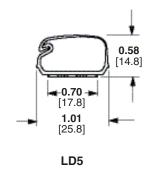
# **Pan-Way® LD Surface Raceway System**

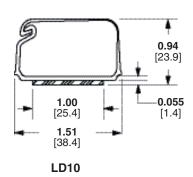
## Wire Fill

	Fill	Electrical Cables											Audio/Video		Flber Optic Cable	
		14 AWG	12 AWG	10 AWG	Data Grade Cables 24 AWG/UTP CM											
Raceway Type and Configuration	Area	Т	HHN/T9	90	Cat 5e -	Plenum	Ca	t. 6	Cat	. 6A	Cat. 6	A (SD)	RG6		2 Strand	
and Configuration	(in²)	0.111	0.111   0.130   0.164   DIA. = 0.193   DIA. = 0.24   DIA. = 0.30   DIA. = 0.24					= 0.24	DIA. = 0.275		DIA. = 0.175					
		FILL		FILL		FILL		FILL		FILL		FILL		FILL		
		MAX	MAX	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%	
LD3	0.21	**	**	**	2	4	1	2	1	1	1	2	1	2	3	5
LD5	0.38	**	**	**	5	7	3	5	2	3	3	5	2	3	6	9
LD10	1.00	**	**	**	13	20	8	13	5	8	8	13	6	10	16	24

## LD Raceway







## Fittings



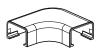
CF



ICFC



OCFC



**RAFC** 



**ECF** 



**TFC** 



CRFC5



DCF



**RAEFX** 



RF



**FBA** 



LDW

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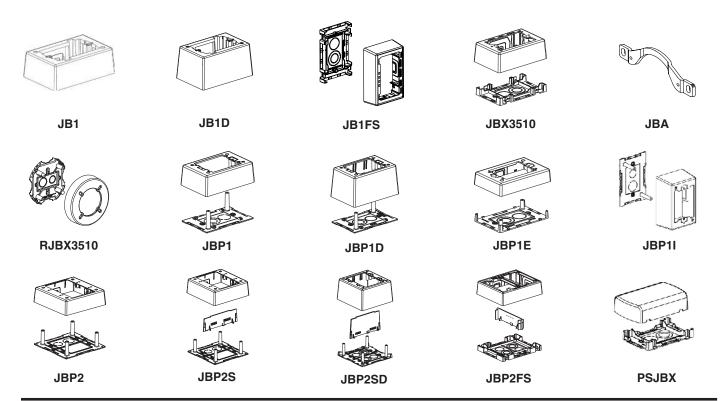
## Pan-Way® LD Surface Raceway System

## Compatible LD Raceway Surface Mount Outlet/Junction Boxes

Low Voltage or Fiber Optic ONLY						
JB1**-A	Single gang one-piece outlet box with adhesive backing.					
JB1D**-A	Single gang one-piece deep outlet box with adhesive backing					
JB1FS**-A	Fast-Snap™ Single Gang Two-Piece Snap Together Outlet Box with adhesive backing.					
JBX3510**-A	Single gang two-piece snap together outlet box with adhesive backing					
JBA-X	In-wall box adapters adapt single gang surface mount outlet boxes to in-wall conduit boxes.					
Power, Low Vo	tage or Fiber Optic					
RJBX3510**	Single gang two-piece screw together round outlet box.					
JBP1**	Single gang two-piece screw together outlet box.					
JBP1D**	Single gang two-piece screw together deep outlet box.					
JBP1E**	Single gang two-piece screw together extvension outlet box.					
JBP1I**	Single gang two-piece screw together intermediate outlet box.					
JBP2**	Double gang two-piece screw together deep outlet box					
JBP2S**	Double gang two-piece screw together divided outlet box					
JBP2D**	Double gang two-piece screw together deep outlet box					
JBP2FS**	Fast-Snap™ Double Gang Power Rated Two-Piece Snap Together Outlet Box					
PSJBX**	Single gang two-piece snap together power source box.					

<sup>\*\* =</sup> Available colors: International White (IW), Electrical Ivory (EI), International Gray (IG), White (WH) or Arctic White (AW).

### Surface Mount Outlet/Junction Boxes



### **WORLDWIDE SUBSIDIARIES AND SALES OFFICES**

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