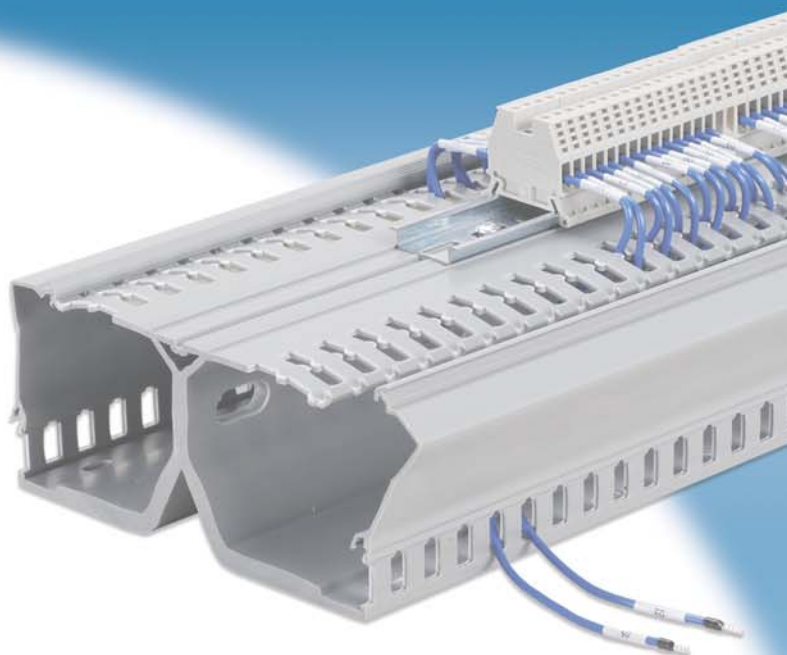


### Panduct® PanelMax™ DIN Rail Wiring Duct

PanelMax™ DIN Rail Wiring Duct is an innovative wire management solution that maximizes space utilization within industrial enclosures for flexibility in panel layout and reduced material and installation costs. The unique design raises components from the panel surface for easier access and faster terminations. DIN rail wiring duct is compatible with common DIN rail and DIN mount components<sup>1</sup> to satisfy a wide range of applications.

The Industrial Automation Solution from Panduit meets the most demanding requirements and applications with a broad range of product systems that aid in reducing design and assembly time, creating valuable panel space savings, providing easier installation and maintenance, and improving reliability.



PanelMax™ DIN Rail Wiring Duct  
(shown in application with  
DIN rail and components)

RoHS   

#### Key Features

#### Benefits

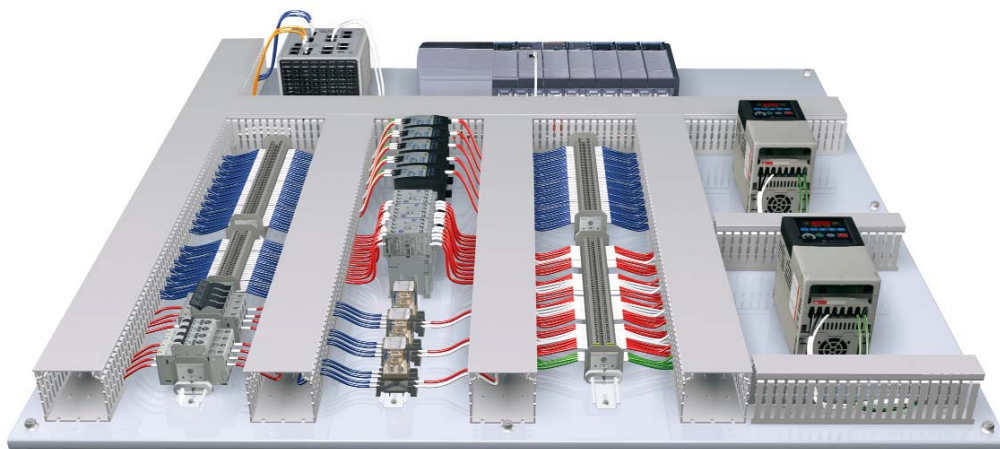
<b>Space-saving design</b>	Positions DIN rail and components off the panel directly above an integrated wire management channel for up to a 30% smaller footprint for duct and components; increases design flexibility and component access for easier installation and maintenance
<b>DIN rail and DIN component compatible</b>	Compatible with standard mounting rail, including 35mm or 15mm rails and many DIN rail mount components for design flexibility <sup>1</sup>
<b>Integrated DIN rail fastening slot</b>	DIN rail mounts directly to product, with self-drilling screws, for up to 50% faster installation (duct and rail) and reduced labor costs <sup>2</sup>
<b>Hinged and flexible covers</b>	Attached cover ensures panel integrity, safety, and aesthetics; a built-in, color-matched, co-extruded strip assures cover operation flexibility and easy channel access; L-shaped hinge cover doubles as ledge for easy wire installation
<b>Slotted platform and sidewalls</b>	Platform slots (horizontal) manage wire from channel-mounted components; outer sidewall slots (vertical) manage wire from adjacent panel-mounted components; unique finger and slot progression for optimal wire management and aesthetics
<b>Channel pass-through slots</b>	Wires can transition internally between channels to ease wire connections to either side of components mounted on the same rail, minimizing wire length and reducing material cost
<b>Wire retainer accessory</b>	Optional accessory retains cabling with cover opened or removed, easing wire installation and future wire additions
<b>Lead-free, UL compliant PVC material</b>	Meets European Directive 2002/95/EC on the Restriction of Hazardous Substances (RoHS); maintains UL94 flammability rating of V-0 and UL recognized continuous-use temperature to 50°C (122°F).

<sup>1</sup>Compatible components include, but are not limited to DIN mount terminal blocks, cube relays, interface modules, fuse blocks, circuit breakers, and small PLC I/O modules. Component compatibility is limited by overall size, compared to product platform size, and a maximum component weight of 4 lbs. per foot.

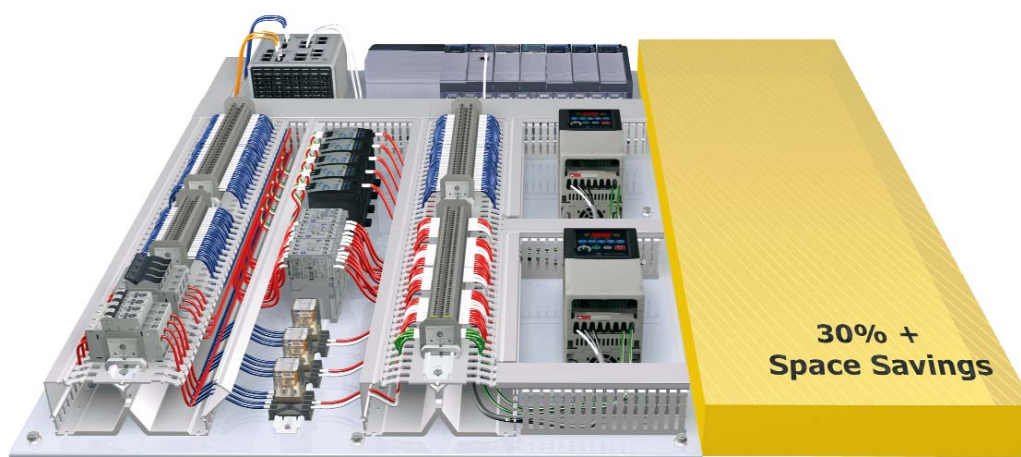
<sup>2</sup>Compared to installing two conventional wiring ducts and a single DIN rail mounted to the panel surface.

## **Panduct® PanelMax™ DIN Rail Wiring Duct – Features and Benefits (cont.)**

**Conventional wiring duct panel layout:**



**DIN rail wiring duct panel layout with 30% space savings:**



Panduit® PanelMax™ DIN Rail Wiring Duct positions DIN rail and components off the panel directly above an integrated wire management channel for a 30%+ smaller footprint to the panel layout.



Three DIN rail wiring duct product sizes accommodate user supplied DIN rail and a variety of DIN mount components for application flexibility.

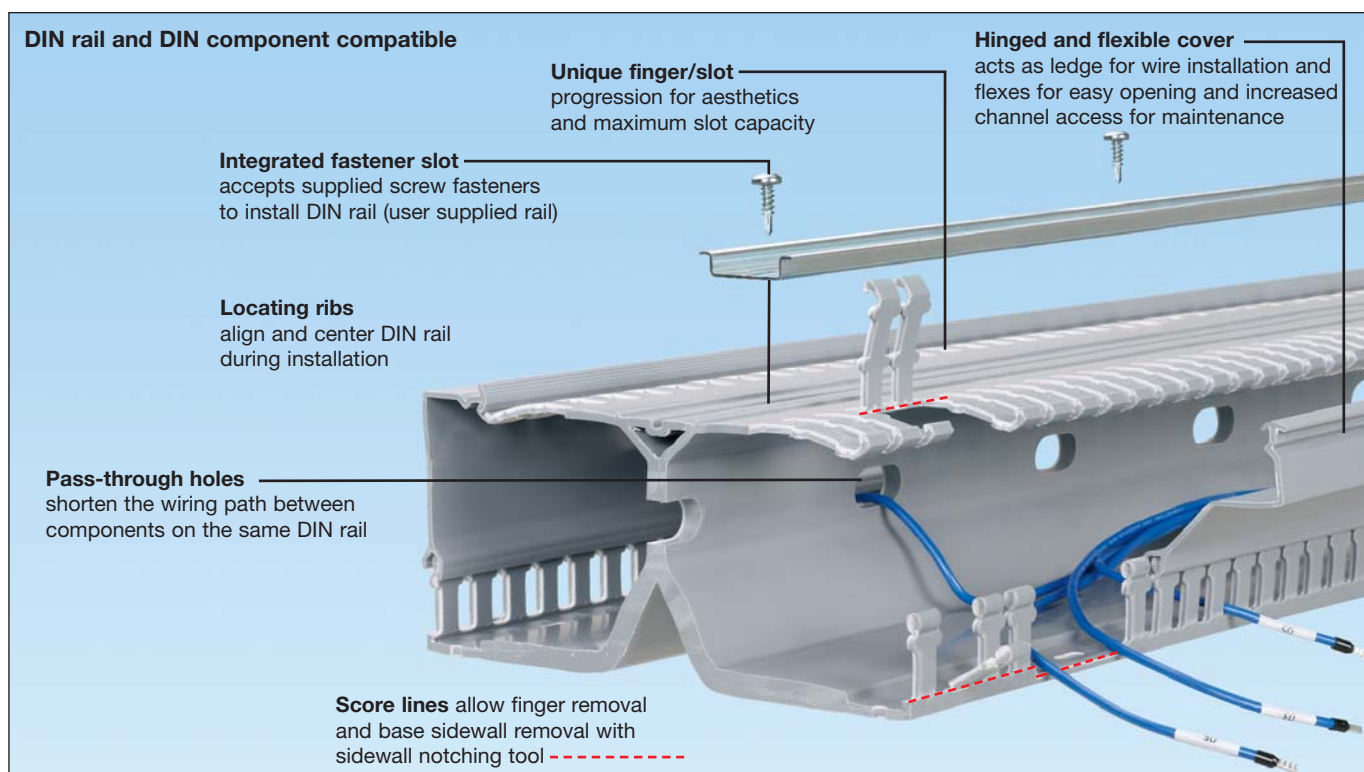


Optional corner strip supports wiring transition from conventional duct.



Optional wire retainer supports wiring with covers removed.

## Panduct® PanelMax™ DIN Rail Wiring Duct – Features and Benefits (cont.)



## Ordering Information



**DRD**



**DRDWR**



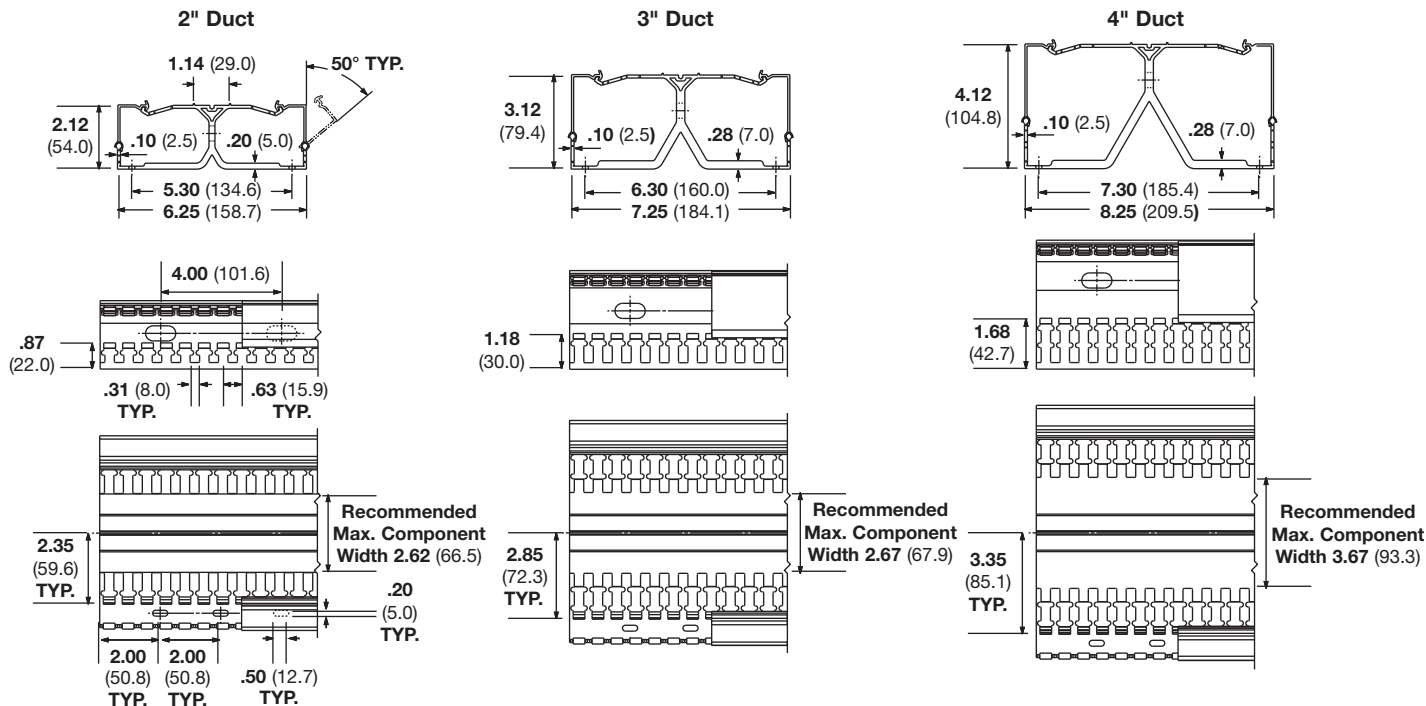
**DRDCS**

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>DRD22LG6</b>	2" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. Base, covers and DIN rail fasteners included.	6 Ft.	6 Ft.
<b>DRD33LG6</b>	3" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. Base, covers and DIN rail fasteners included.	6 Ft.	6 Ft.
<b>DRD44LG6</b>	4" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. Base, covers and DIN rail fasteners included.	6 Ft.	6 Ft.
<b>DRDC2LG6</b>	2" replacement cover for PanelMax™ DIN Rail Wiring Duct.	6 Ft.	24 Ft.
<b>DRDC3LG6</b>	3" replacement cover for PanelMax™ DIN Rail Wiring Duct.	6 Ft.	24 Ft.
<b>DRDC4LG6</b>	4" replacement cover for PanelMax™ DIN Rail Wiring Duct.	6 Ft.	24 Ft.
<b>DRDSF-C</b>	Replacement DIN rail fasteners for PanelMax™ DIN Rail Wiring Duct.	100	–
<b>DRDWR2-X</b>	2" wire retainer for PanelMax™ DIN Rail Wiring Duct.	10	100
<b>DRDWR3-X</b>	3" wire retainer for PanelMax™ DIN Rail Wiring Duct.	10	100
<b>DRDWR4-X</b>	4" wire retainer for PanelMax™ DIN Rail Wiring Duct.	10	100
<b>DRDCS2-X</b>	2" corner strip for PanelMax™ DIN Rail Wiring Duct.	10	100
<b>DRDCS3-X</b>	3" corner strip for PanelMax™ DIN Rail Wiring Duct.	10	100
<b>DRDCS4-X</b>	4" corner strip for PanelMax™ DIN Rail Wiring Duct.	10	100

Product is sold base and cover together in 6 ft. lengths. Replace LG in part number with WH for white color.



# Panduct® PanelMax™ DIN Rail Wiring Duct – Technical Information



## Wirefill Capacity Per Channel

NOMINAL DUCT SIZE (W x H - In)	AREA per channel (In <sup>2</sup> )	ELECTRICAL															COMMUNICATION					
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG		23/24 AWG	24 AWG	Fiber Cable	
		0.216	0.164	0.130	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.298	0.289	0.250	0.187	0.118	
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	Cat 6A		Cat 6	Cat 5e	3.0mm	
DRD22	6.25 x 2.15	4.760	51	88	140	119	103	193	154	134	258	193	170	337	238	211	329	26	28	38	68	170
DRD33	7.25 x 3.16	6.536	70	121	193	164	141	265	212	184	354	265	234	463	326	290	452	36	39	52	93	234
DRD44	8.25 x 4.16	9.180	98	170	271	230	198	372	298	259	498	372	329	650	459	408	635	51	54	73	131	329

Table shows maximum wire fill per channel based on 50% of duct internal cross sectional area. Formula = Internal Area/2.00 x D<sup>2</sup>.

## Related Products



PanelMax™ DIN Rail Wiring Duct shown with PanelMax™ Corner Wiring Duct



Notching Tool  
DNT-100



Rivet Tool  
TNR



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