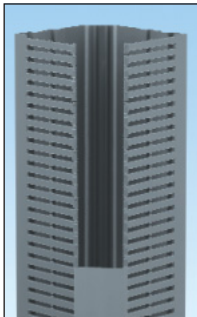
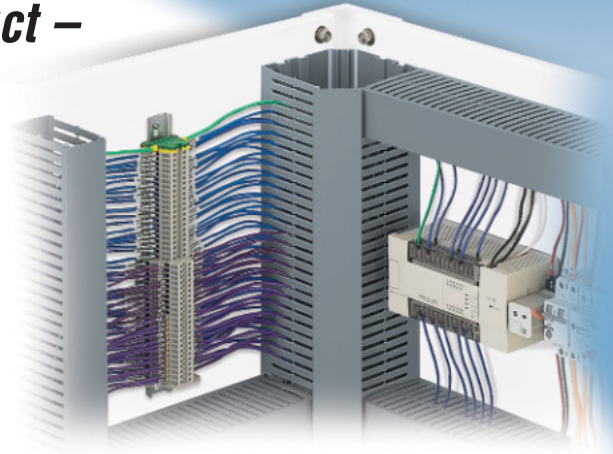


NEW!

PANDUIT® PANELMAX™ Corner Wiring Duct – Space Saving One-Piece Construction



PANDUIT® PANELMAX™ Corner Wiring Duct is an innovative one-piece wire management product that makes more efficient use of space inside enclosures, speeds installation, and reduces control panel assembly costs. PANELMAX™ Corner Wiring Duct is used in the vertical corners of medium to large electrical control panels (with both side and back panels) to route, conceal, and protect electrical wiring. PANELMAX™ Corner Wiring Duct is part of a complete line of PANDUIT wire management solutions for control panels.



Key Features

Benefits

Angled four-sided channel design	Fits in the unused space in the vertical corner of enclosures and provides up to five square feet of additional sub-panel space for mounting control components or up to 20% savings in enclosure footprint area*
One piece channel with co-extruded flexible hinges	Requires no assembly and easily locates and conforms to the corner of the enclosure for faster installation than conventional multi-piece solutions
Quick mount clips	Require minimal hardware for reduced installation time; once installed the base is easily snapped into place on the clips
Integrated mounting feature for divider wall	For applications that require wire separation, the standard PANDUIT 4" divider wall simply snaps onto the base to create two channels
Compatible with standard wiring duct and cover	Provides a consistent, neat panel appearance when used with PANDUIT 3" and 4" height wiring ducts; PANELMAX™ Corner Wiring Duct uses standard PANDUIT 2" wiring duct cover for simplicity in ordering
Double score lines	Upper score line allows duct finger removal without tools for quick modifications during wire installation; lower score line eases sidewall section removal at tee intersections ensuring full wire carrying capacity
Extended cover neck	Eases cover installation and removal At intersections, standard PANDUIT Wiring Duct fits flush against the PANELMAX™ Corner Wiring Duct without exposed seams for an aesthetic appearance

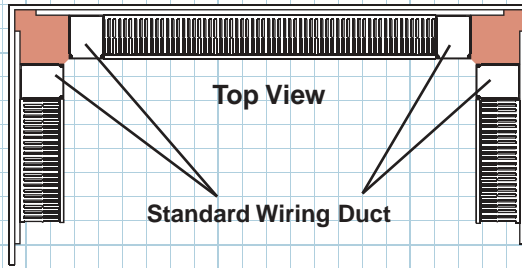
*Actual sub-panel space savings will vary depending on wiring duct size, component layout, and enclosure size and type. Footprint savings is based on commercially available enclosures and may not be achievable in some applications.



Utilize Unused Space

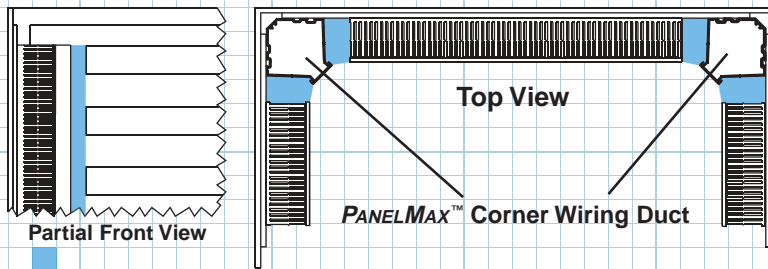
PANELMAX™ Corner Wiring Duct utilizes the unused space in enclosures with both back and side panels

Conventional Layout for Control Enclosure with Side Panels



Unused Corner Space

PANELMAX™ Corner Wiring Duct Increases Usable Sub-Panel Area within the Same Size Panel

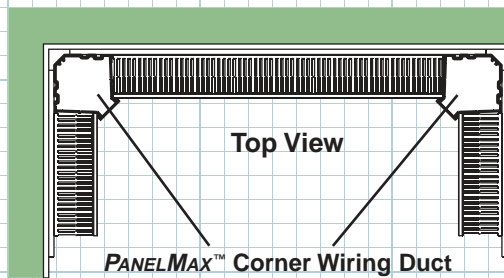


Sub-Panel Space Savings

Add More Components

Free up as much as five square feet of sub-panel space for more component room

PANELMAX™ Corner Wiring Duct Reduces Required Enclosure Size and Floor Space



Footprint Space Savings

- OR -

Reduce Your Enclosure Size

Decrease enclosure footprint area up to 20%

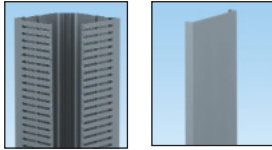
Example of Space Savings Using 48"W x 24"D x 60"H Enclosure

Description	Conventional	With PANELMAX™ Corner Wiring Duct	Benefits
Sub-Panel Space Savings			
Usable sub-panel mounting area (assumes 60"H enclosure)	28.7 ft. ²	32.2 ft. ²	Provides 12% more space, maximizing space utilization for more panel components and greater flexibility in panel layout design
Footprint Space Savings			
Footprint Width x Depth (square footage)	48" x 24" (8 ft. ²)	43.5" x 21.7" (6.6 ft. ²)	18% reduction in enclosure size; ideal for space constrained environments
Floor Space Cost**	\$200	\$165***	18% floor space savings to the end user
Enclosure and Sub-panel Costs	\$4,150	\$3,400***	\$750 in enclosure savings

**Based on \$25/square foot Industrial Facility Construction Cost.

***This is a representative application. Actual savings dependent on wiring duct size, component layout and enclosure size and type. Footprint savings is based on commercially available enclosures and may not be achievable in some applications.

Ordering Information

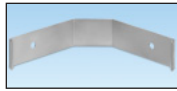


CWD3LG6
CWD4LG6 C2LG6

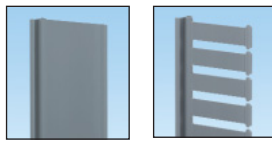
Duct Part Number	Description	W x H (inches)	W x H (mm)	Cover Part Number	Std. Pkg. Qty.	Duct Std. Ctn. Qty.
CWD3LG6	One-piece corner wiring duct for use with 3" height wiring duct.	4.40 x 3.57	111.8 x 90.7	C2LG6	6'	24'
CWD4LG6	One-piece corner wiring duct for use with 4" height wiring duct.	5.33 x 4.58	135.3 x 115.7	C2LG6	6'	24'

Part number shown is for LG (Light Gray) color, also available in WH (White) color.

Accessories



CDCLP3
CDCLP4

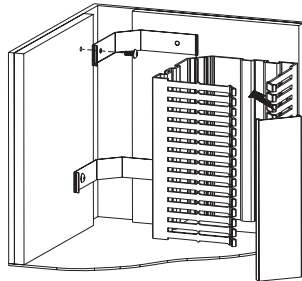


D4H6 SD4H6

Duct Part Number	Description	Screw or Fastener Required	Std. Pkg. Qty.	Std. Ctn. Qty.
CDCLP3	Quick mounting clip for installing CWD3 corner wiring duct.	#10-32 x 1/4 (user supplied)	—	16 pcs.
CDCLP4	Quick mounting clip for installing CWD4 corner wiring duct.	#10-32 x 1/4 (user supplied)	—	16 pcs.
D4H6	4" height solid divider wall for use with CWD3 or CWD4 corner wiring duct.	Installs directly to PANELMAX™ Corner Wiring Duct base	6'	120'
SD4H6	4" height slotted divider wall for use with CWD3 or CWD4 corner wiring duct.	Installs directly to PANELMAX™ Corner Wiring Duct base	6'	120'

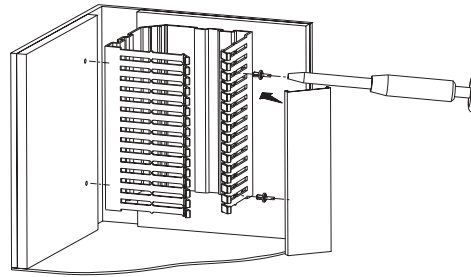
Order number of pieces required, in multiples of Standard Package Quantity.

Mounting Options *

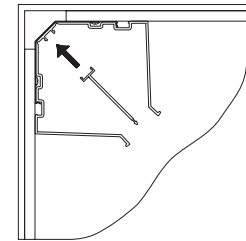


Quick mount clip style installation of PANELMAX™ Corner Wiring Duct

- OR -



Direct mount style installation of PANELMAX™ Corner Wiring Duct using TNR tool and NR1 rivets (shown) or screws



PANELMAX™ Corner Wiring Duct with divider wall

*For use with side and back panels

Note: For best results, PANUIIT recommends the use of a band saw or radial arm saw with plastic cutting blade to cut PANELMAX™ Corner Wiring Duct.

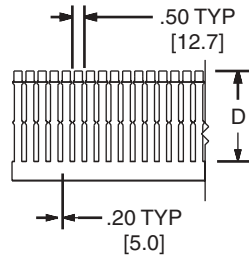
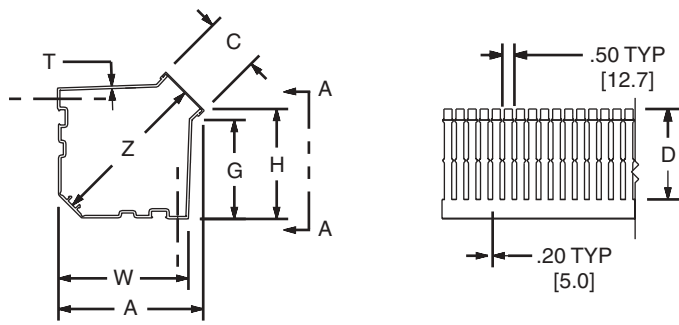
PANUCT® PANELMAX™ Corner Wiring Duct - Wirefill Capacity

Part Number	Internal Area in ²	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			
		.216	.153	.122	.158	.105	.139	.165	.096	.125	.084	.113	.065	.310	.354	.250	.188	.118
		THHN	THHN	THHN	MTW	THHN	MTW	MTW	TFFN	MTW	TFFN	MTW	MTW	Augmented Cat 6		Cat 6	Cat 5e	3.0mm
CWD3LG6	17.58	188	375	590	352	797	454	322	953	562	1245	688	2080	91	70	140	248	630
CWD4LG6	26.92	288	574	904	539	1220	696	494	1460	861	1907	1054	3185	140	107	215	380	964

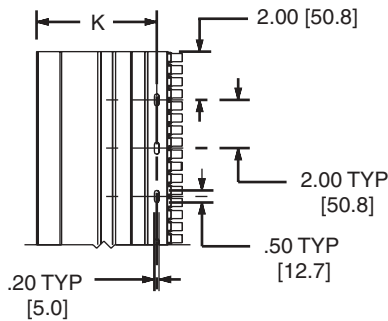
Table shows maximum wire fill based on 50% of duct internal cross sectional area. Formula = Internal Area/2.00 x D².

Typical PANUIIT® TX6™ 10GiG™ Cable diameter = .310".

Standard TIA/EIA-568-B.2-AD10 maximum allowable Augmented Category 6 Cable diameter = .354".



View A - A



Duct Dimensions

Refer to instructions RW207 for complete mounting details.

Material Specifications

Properties	Lead-free PVC Material	Test Method
------------	------------------------	-------------

General		
Specific Gravity	1.46 g/cc	ASTM D 792
Rockwell Hardness	111 "R"	ASTM D 785

Mechanical		
Tensile Strength at Yield	5,600 psi	ASTM D 638
Tensile Modulus	330,000 psi	ASTM D 638
Flexural Strength at Yield	9,100 psi	ASTM D 790
Flexural Modulus	412,000 psi	ASTM D 790
Notched Izod Impact Strength at 23°(73°F)	2.6 ft.-lbs./in.	ASTM D 256
Heat Deflection Temperature at 264 psi	169°F	ASTM D 648

Flammability		
Limited Oxygen Index (LOI)	35	ASTM D 2863
Smoke Density (Flaming) at four min.	538	ASTM E 662
Flammability Class	V-0	UL94

Agency Approvals	
UL Recognized file E147128, CSA Certified file 016446-0-00	
CE Information	<ul style="list-style-type: none"> • Non-metallic • Medium impact resistance • 331 temperature classification • Cover removal without tools

Part Number	A	C	D	G	H	K	T	W	Z
CWD3*	4.98" (126.6mm)	2.25" (57.2mm)	2.83" (71.8mm)	3.10" (79.1mm)	3.57" (90.7mm)	3.95" (100.4mm)	.10" (2.4mm)	4.40" (111.8mm)	5.16" (131.0mm)
CWD4*	5.94" (150.9mm)	2.25" (57.2mm)	3.84" (97.5mm)	4.10" (104.1mm)	4.58" (115.7mm)	4.89" (124.3mm)	.11" (2.7mm)	5.33" (135.3mm)	6.54" (166.0mm)



DFCT - Duct Finger Cutting Tool
Easily removes duct fingers in tight places



NR1 - Nylon Rivet
For use with TNR tool



TNR - Nylon Rivet Installation Tool
Hand held tool for easy rivet installation



DNT-100 - Notching Tool
Notches duct sidewalls to bottom scoreline for tees and corners

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6379.6700

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.3767.7011

PANDUIT LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.333.777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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Printed in the U.S.A.
Product Bulletin Number SA-WDCB15
6/2006