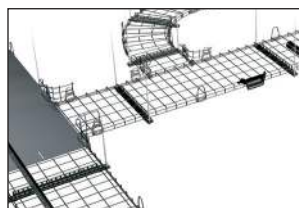


# Wyr-Grid® Overhead Cable Tray Routing System

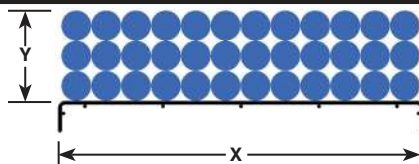
## specifications

The overhead cable tray routing system shall consist of pathway sections, splice connectors, sidewalls, waterfalls, mounting brackets, and accessories designed to route and manage copper, fiber optic, or power cables. The pathway sections shall be provided in five widths: 8" (203mm), 12" (305mm), 18" (457mm), 24" (610mm) and 30" (762mm). Optional snap-on sidewalls shall include 2" (50mm), 4" (102mm), and 6" (152mm) heights that can be hand installed at any location along pathway sections. Sidewall waterfalls and intersection bend radius parts shall provide 3" (76mm) bend radius protection. Trapeze, cantilever, and wall mount brackets shall be provided to support the system. Components shall be painted black or electro zinc plated.



## technical information

Wire fill table:



X (in.)	Y (in.)	Internal Area (in. <sup>2</sup> )	Category 6A Dia. 0.300" 7.6mm	Category 6 Dia. 0.240" 6.1mm	X (in.)	Y (in.)	Internal Area (in. <sup>2</sup> )	Category 6A Dia. 0.300" 7.6mm	Category 6 Dia. 0.240" 6.1mm
8.2	2	16.3	115	180	24.2	2	48.3	342	534
	4	32.4	229	358		4	96.7	684	1069
	6	48.6	537	344		6	145	1026	1603
12.2	2	24.3	172	269	30.2	2	60.3	427	666
	4	48.7	344	538		4	120.7	854	1334
	6	73	516	807		6	181	1280	2000
18.2	2	36.3	257	401					
	4	72.7	514	804					
	6	109	771	1205					

### Material:

Black (BL): Pre-galvanized steel wire and galvanized cold rolled steel prior to paint  
 Pre-Galvanized (PG): Pre-galvanized steel wire and galvanized cold rolled steel prior to paint  
 Electro Zinc (EZ): Steel wire and cold rolled steel, electro zinc plated  
 ABS (Side Waterfall)  
 RoHS Compliant

### Approvals:

UL Classified for their suitability for use as Equipment Grounding Conductor in accordance with Sections 392.3(C) and 392.7(B) of the NEC  
 Metal Cable Tray in accordance with CAN/CSA-C22.2 No.126.1-02  
 NEMA VE 1-2002 and ANSI/NFPA 70, "National Electric Code" (NEC)  
 Corrosion resistant per ASTM A653/A653M-08 and A641/A641M-09  
 EN61537:2007 Cable Tray Systems and Cable Ladder Systems for Cable Management  
 Black: Corrosion resistant per ASTM A653/A653M-08 and A641/A641M-09  
 Electro Zinc: ASTM B633 SC3, Type III

### CSI spec form:

LP-CSISPEC-WG

## key features and benefits

<b>Strength to weight ratio</b>	The design of the Wyr-Grid® Pathway Sections provides a greater strength to weight ratio than competitive wire basket; easier handling translates into faster installation
<b>Grid pattern</b>	The 4" x 5" wire mesh grid pattern allows greater amounts of cables and QuickNet® Cassettes to pass through grid openings without additional cutting, reducing installation time
<b>No integral sidewalls</b>	Less cutting on straight sections, no cutting at intersections and waterfalls reduces installation time
<b>Snap-on sidewalls</b>	Sidewalls can be attached where needed to retain cables within the Wyr-Grid® Pathway Sections providing greater configuration versatility
<b>Bend radius control sidewalls</b>	Protects cables at intersections and can be easily attached without cutting or fabrication
<b>Bonding splice</b>	A thread cutting screw pierces the paint of adjacent cable tray sections providing a completely bonded connection, ensuring electrical continuity between the sections
<b>Snap-on waterfalls</b>	Protects cables when transitioning down to equipment and can be easily attached without cutting or fabrication

## applications

The Wyr-Grid® Overhead Cable Tray System is designed to route and manage copper data cables, fiber optic, or power cables within data centers, connected buildings, and industrial automation applications. Innovative features

provide quick, safe, and easy assembly for reduced installation costs and faster deployment. Can easily accommodate FiberRunner® Pathways into the application to provide a segregated copper and fiber cabling strategy.

### Wyr-Grid® Pathway Sections

8" W x 120" L:	WG8BL10
12" W x 120" L:	WG12**10
18" W x 120" L:	WG18**10
24" W x 120" L:	WG24**10
30" W x 120" L:	WG30**10

### Splice Connectors

8", 12", and 18" splice:	WGSPL1218**
24" and 30" splice:	WGSPL2430**
Intersection splice:	WGINTSPL**
8", 12", and 18" splice with clip:	WGESPL**
24" and 30" splice with clip:	WGESPL2430**
Expansion splice:	WGEXS**

### Snap-On Sidewalls

2" sidewall:	WGSW2**
4" sidewall:	WGSW4**
6" sidewall:	WGSW6**

### Waterfalls

4" side waterfall:	WGSWF4BL
Bottom waterfall:	WGBTMWF**

### Mounting Brackets

8" trapeze bracket:	WGTBS8**
12" trapeze bracket:	WGTBS12**
18" trapeze bracket:	WGTBS18**
24" trapeze bracket:	WGTBS24**
30" trapeze bracket:	WGTBS30**
12" cantilever bracket:	WGCB12BL**
18" cantilever bracket:	WGCB18BL**
24" cantilever bracket:	WGCB24BL**

### 2 Post Channel Trapeze Rack Mount Brackets

12" pathway:	WG2PRB12BL
18" pathway:	WG2PRB18BL
24" pathway:	WG2PRB24BL

### Wyr-Grid® to FiberRunner® QuikLock™ Trapeze Brackets

12" pathway:	WG12FRTBBL
18" pathway:	WG18FRTBBL
24" pathway:	WG24FRTBBL
30" pathway:	WG30FRTBBL
8" wall bracket:	WGWMTB8**
12" wall bracket:	WGWMTB12**
18" - 30" wall bracket:	WGWMTB1830**
Strut bracket:	WGSK**
Vertical mounting bracket:	WGVWMBEZ
1200mm D cabinet direct mounting bracket:	WGCMB1200BL
1070mm D cabinet direct mounting bracket:	WGCMB1070BL
1200mm D cabinet mounting bracket:	WGCMB1200BL
1070mm D cabinet mounting bracket:	WGCMB1070BL
4 post rack mounting bracket:	WGR4PK30

### Intersection Bend Radius Control

2" high sidewall:	WGIBRC2**
4" high sidewall:	WGIBRC4**
6" high sidewall:	WGIBRC6**

### Tray Liner (Offered in PG only)

8" tray liner:	WGTL8PG
12" tray liner:	WGTL12PG
18" tray liner:	WGTL18PG
24" tray liner:	WGTL24PG
30" tray liner:	WGTL30PG

### Divider Wall (Offered in PG only)

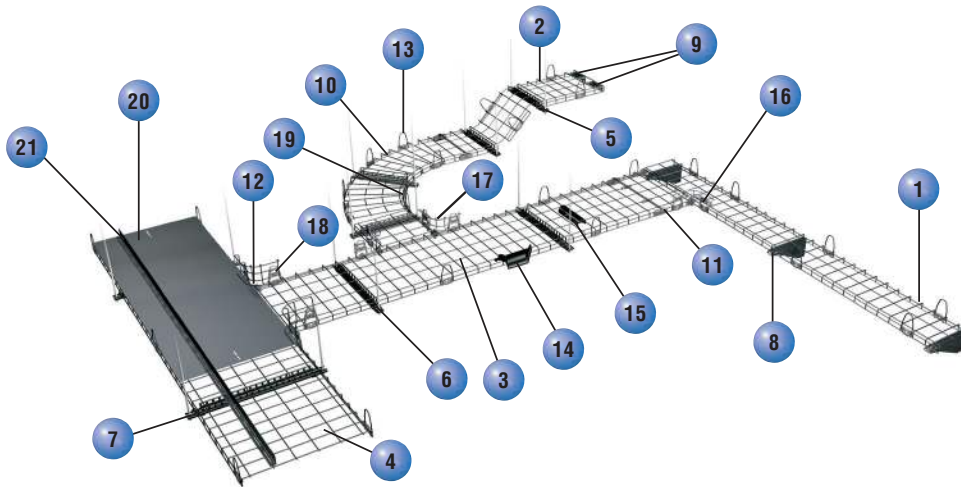
2" divider wall:	WGDW2PG
4" divider wall:	WGDW4PG
6" divider wall:	WGDW6PG

### Accessories

Manual cutting tool:	WGCT-M
Hydraulic cutting tool:	WGCT-A
Hardware kit:	WGHRDWKT**

\*\*Substitute BL = Black Powder Coat,  
 EZ = Electro Zinc Plated

# Wyr-Grid® Overhead Cable Tray Routing System



## Pathway Sections

- 8" Width: WG8BL10 (not shown)
- 1 12" Width: WG12BL10
- 2 18" Width: WG18BL10
- 3 24" Width: WG24BL10
- 4 30" Width: WG30BL10

## Mounting Brackets

### Trapeze Brackets

- 8" Wide: WGTBS8BL (not shown)
- 12" Wide: WGTBS12BL (not shown)
- 5 18" Wide: WGTBS18BL
- 6 24" Wide: WGTBS24BL
- 7 30" Wide: WGTBS30BL

### Cantilever Brackets

- 8 12" Wide: WGCB12BL
- 18" Wide: WGCB18BL (not shown)
- 24" Wide: WGCB24BL (not shown)

### Wall Mount Termination Brackets

- 8" Wide: WGWMTB8BL (not shown)
- 12" Wide: WGWMTB12BL (not shown)
- 9 18" – 30" Wide: WGWMTB1830BL

## Splice Connectors

- 10 For 8", 12", and 18" Widths: WGSPL1218BL
- 11 For 24" and 30" Widths: WGSPL2430BL
- 12 Intersection Splice: WGINTSPLBL

Additional splice connectors are available. Refer to page 1.

## Snap-On Sidewalls



- 2" Sidewall: WGSW2BL (not shown)
- 13 4" Sidewall: WGSW4BL
- 6" Sidewall: WGSW6BL

## Waterfalls



- 14 4" Side Waterfall: WGSWF4BL
- 15 Bottom Waterfall: WGBTMWFBL

## Intersection Bend Radius Control



- 16 2" High Sidewall: WGIBRC2BL
- 17 4" High Sidewall: WGIBRC4BL
- 18 6" High Sidewall: WGIBRC6BL

## Accessories

- 19 Hardware Kit: WGHRDWKTBL

## Tray Liner



- 8" Tray Liner: WGTL8PG (not shown)
- 12" Tray Liner: WGTL12PG (not shown)
- 18" Tray Liner: WGTL18PG (not shown)
- 24" Tray Liner: WGTL24PG (not shown)
- 20 30" Tray Liner: WGTL30PG

## Divider Wall



- 2" Divider Wall: WGDW2PG (not shown)
- 21 4" Divider Wall: WGDW4PG
- 6" Divider Wall: WGDW6PG (not shown)

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8/2019