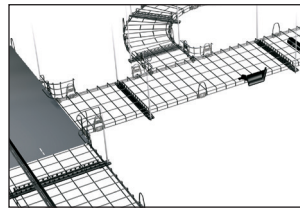


# Wyr-Grid® Overhead Cable Tray Routing System

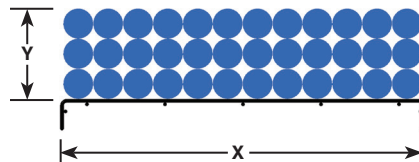
## specifications

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<br>(in.) | Y<br>(in.) | Internal<br>Area<br>(in. <sup>2</sup> ) | Category 6A<br>Dia. 0.300"<br>7.6mm | Category 6<br>Dia. 0.240"<br>6.1mm |  | X<br>(in.) | Y<br>(in.) | Internal<br>Area<br>(in. <sup>2</sup> ) | Category 6A<br>Dia. 0.300"<br>7.6mm | Category 6<br>Dia. 0.240"<br>6.1mm |
|------------|------------|-----------------------------------------|-------------------------------------|------------------------------------|--|------------|------------|-----------------------------------------|-------------------------------------|------------------------------------|
| 12.2       | 2          | 24.3                                    | 172                                 | 269                                |  | 24.2       | 2          | 48.3                                    | 342                                 | 534                                |
|            | 4          | 48.7                                    | 344                                 | 538                                |  |            | 4          | 96.7                                    | 684                                 | 1069                               |
|            | 6          | 73.0                                    | 516                                 | 807                                |  |            | 6          | 145.0                                   | 1026                                | 1603                               |
| 18.2       | 2          | 36.3                                    | 257                                 | 401                                |  | 30.2       | 2          | 60.3                                    | 427                                 | 666                                |
|            | 4          | 72.7                                    | 514                                 | 804                                |  |            | 4          | 120.7                                   | 854                                 | 1334                               |
|            | 6          | 109.0                                   | 771                                 | 1205                               |  |            | 6          | 181.0                                   | 1280                                | 2000                               |

### 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.

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# PANDUIT®

SPECIFICATION SHEET

### 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: | WGCBS12** |
| 18" cantilever bracket: | WGCBS18** |
| 24" cantilever bracket: | WGCBS24** |

### 2 Post Channel Trapeze Rack Mount Brackets

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

|                         |              |
|-------------------------|--------------|
| 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:        | WGCMK1200BL |
| 1070mm D cabinet mounting bracket:        | WGCMK1070BL |
| 4 post rack mounting bracket:             | WGR4PK30    |

### Intersection Bend Radius Control

|                   |             |
|-------------------|-------------|
| 2" high sidewall: | WGINTBRC2** |
| 4" high sidewall: | WGINTBRC4** |
| 6" high sidewall: | WGINTBRC6** |

### 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)

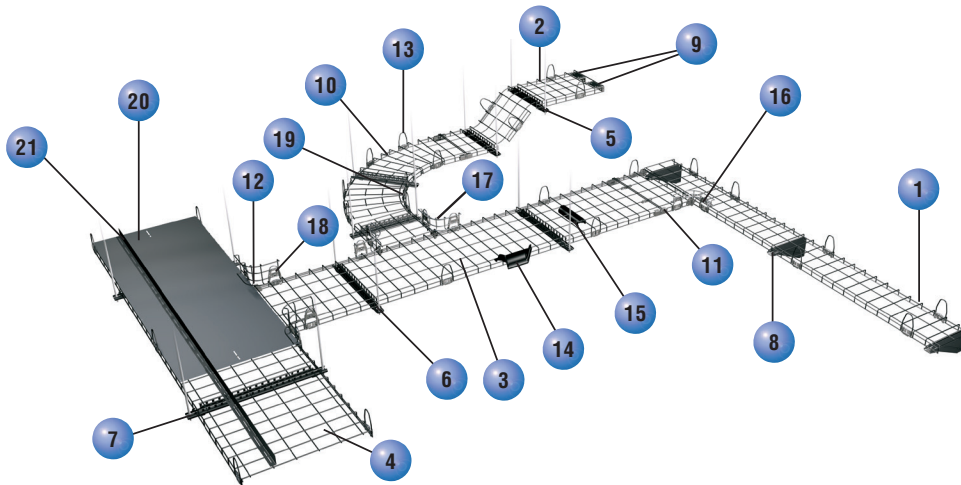
|                  |         |
|------------------|---------|
| 2" divider wall: | WGDW2PG |
| 4" divider wall: | WGDW4PG |
| 6" divider wall: | WGDW6PG |

### 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: WGSDWL2BL (not shown)
- 13 4" Sidewall: WGSDWL4BL
- 6" Sidewall: WGSDWL6BL (not shown)

## Waterfalls

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

## Intersection Bend Radius Control

- 16 2" High Sidewall: WGINTBRC2BL
- 17 4" High Sidewall: WGINTBRC4BL
- 18 6" High Sidewall: WGINTBRC6BL

## 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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