Making the Connection is Easy: CPI Cable Runway and Tray Products

Whether you see it or not, communications cabling connects users to the network. A well-planned network requires the use of defined pathways and spaces to organize, store and secure communications cables from the data center or equipment room to workstations. CPI’s Cable Runway and Tray Products provide simple and effective pathway solutions to easily manage and protect cables while maximizing network infrastructure uptime. With a variety of options and accessories available, CPI Cable Runway and Tray Products can be tailored to meet the specific requirements of each facility and are adaptable for future growth.

Why Choose CPI Cable Runway and Tray Products?

- High-quality construction and design
- Promote proper cable bend radii for better data transmission
- Decrease cable damage
- Simplify moves, adds and changes
- Prevent tangled cords
- Meet ANSI/TIA/EIA installation guidelines for Category 5e/6/6a and fiber cables
- Provide an attractive installation

A Cable Runway: Provides continuous support for cable, but is open on the top, bottom and sides allowing cables to easily enter and exit the pathway.

B Cable Runway Supports: Attach Cable Runway to the wall, ceiling, floor or the tops of racks and cabinets.

C Cable Runway Splices: Pathway components that connect or form sections of Cable Runway together with splice hardware.

D Cable Runway Radius Drops: Use to maintain a gradual cable bend wherever it enters or exits the Cable Runway. The gradual bend helps preserve cable signal quality.

E Cable Runway Bends: Create gradual right, left, up or down turns in the Cable Runway. The pre-fabricated pathway transitions include the E-Bend and Outside Radius Bend.

F Cable Runway Elevation Kit: Elevate Cable Runway above racks or cabinets to allow a full radius as cables exit the pathway to enter the rack.

G Cable Runway Corner Bracket: Add a curve to Cable Runway corners at L-, T- or X-shaped intersections.
Creating the Ultimate Cable Pathway Solution

Support backbone and horizontal cables between the point of entry and exit into the telecommunications or equipment rooms and cross-connects on racks or cabinets with CPI Cable Runway Products. By offering an integrated cable pathway system, CPI Cable Runway allows you to route cables within and outside of the equipment room, under access floors and above acoustic ceilings.

CPI Cable Tray Products provide a flexible pathway for installations around existing obstacles. OnTrac™ Wire Mesh Cable Tray System, CPI’s most recent Cable Tray Product is the ideal pathway solution for supporting and distributing large quantities of network cables above drop ceilings or under access floors to cabinets and racks in data centers and equipment rooms or to individual office spaces in commercial buildings.

Even in a wireless network, there are cables connecting wireless antennas to a central point. The use of zone cabling methods reduces the amount of time required to add new users or equipment to the network. CPI’s Zone and Wireless Enclosures create architecturally hidden spaces for consolidation points, active cross connects and wireless access points close to network users.

OnTrac Wire Mesh Cable Tray:
Pathway solution for data centers, computer rooms and office spaces. Can be cut and formed to go around obstacles and match pathway requirements.

OnTrac Ceiling Support: Quickly and easily splice and bond cable trays together and attach OnTrac to the wall, ceiling, floor or the tops of racks and cabinets.

Tool-Less Radius Drop: Easy-to-install, wide radius that provides proper support where cables enter or exit the tray. Tray covers and dividers are also available.

Zone Enclosures: Create spaces at the end of pathways that organize, store and secure consolidation points, active cross-connects or wireless access points required by other systems.

www.chatsworth.com/pathway
Horizontal Cable Distribution
Generally, each network user requires a minimum of two connections to the network — one for a computer and one for a phone. These connections are usually made through individual copper cables that consolidate on each floor in one or several dedicated telecommunications rooms.

In an open office environment or other commercial space, cables are often routed between users and telecommunications rooms overhead in the space above the acoustical ceiling.

OnTrac Wire Mesh Cable Tray is the best choice for supporting cables in the overhead space. It provides continuous support and protection for large quantities of network cables and can be formed around building structures or other building services that share the overhead space.

Backbone Cable Distribution
Telecommunications rooms, telecommunications enclosures and the data center are connected by backbone cables to the main cross connect, which is located in the equipment rooms.

Backbone cables are typically multi-strand fiber or multi-pair copper cables. In a multi-story building, backbone cables travel floor-to-floor through the telecommunications rooms. A piece of Cable Runway attached vertically to the wall provides support for backbone cables.

Backbone cables may also travel across a floor to connect two telecommunications rooms together or extend to a data center or zone enclosure. OnTrac Wire Mesh Cable Tray is the best choice for supporting backbone cable outside of telecommunications rooms.

Zone Cabling
Zone cabling is ideal for open office areas with high churn or the data center. The basic concept behind zone cabling is to place the horizontal cross connect or consolidation point as close to the user workspace as possible. This reduces the amount of cabling that must be disturbed if the workspace is repositioned.

For example, fiber backbone cabling can be run through a passive telecommunications room directly to a telecommunications enclosure near users. A switch is placed in the enclosure. Copper media extends to the user. If a user moves, only the copper cable between the enclosure and the user is affected. CPI Zone Enclosures create spaces at the ends of cable pathways for organizing, storing and securing zone cabling and wireless access points.
The Data Center

Data centers house centralized computer processing and data storage equipment in multi-cabinet rows. Each cabinet can support up to 45 pieces of equipment and each piece of equipment may require two network connections. Generally, cables from each cabinet are consolidated through a series of network switches.

CPI Cable Runway attaches to the tops of cabinets to provide a pathway for network cables and can also be used to support fiber ducts. Where cables are distributed under the access floor, use CPI OnTrac Wire Mesh Cable Tray. OnTrac may be attached to the raised floor pedestals or supported directly from the floor.

Telecommunications Rooms

Individual cables from network users consolidate in telecommunications rooms, where their signals are aggregated through network switches into fewer high-speed (backbone) connections to the rest of the network.

The cable pathway in the telecommunications room must provide support for cables from the point where they enter the room to the top of racks where they terminate on patch panels or within fiber enclosures. Cables usually enter the room in several places through a wall, the floor or the ceiling.

CPI Cable Runway is the best choice for supporting cables in the telecommunications room. Cable Runway is open along both sides and at the bottom to allow cables to easily exit or enter the pathway. Additionally, Cable Runway can be easily supported above racks or cabinets and can be easily attached to the wall or ceiling structure.

Featured Product:

OnTrac Wire Mesh Cable Tray

In the data center or computer room, network and power cables need to be distributed to each rack and cabinet. OnTrac Wire Mesh Cable Tray can be used to create pathways under the access floor or over the rows of racks and cabinets. OnTrac provides a flexible pathway solution that is available in several widths and heights to match cable fill requirements.

OnTrac Wire Mesh Cable Tray can be cut and formed into smooth horizontal or vertical transitions by removing sections of the tray. Fasteners splice and bond sections together. Supports attach the tray to the wall, ceiling, floor or the tops of racks and cabinets. Cover, dividers and radius drops organize and protect cables.
Zone Enclosures
Zone Enclosures add flexibility to the network by providing a secure space for consolidation points, active cross connects and wireless access points. Use Zone Enclosures to reduce downtime when work spaces are reconfigured by reducing the amount of cable affected by a move, add or change.

Cable Runway
Create a smooth pathway with Cable Runway by using Radius Bends, E-bends and Corner Brackets to create turns. Use Radius Drops where cable enters or exits the pathway.

Horizontal Pathways
Support horizontal cables with OnTrac outside of the telecommunications room and on Cable Runway within the telecommunications room.

Backbone Pathways
Support backbone cables traveling floor-to-floor through telecommunications rooms with CPI Cable Runway. Use OnTrac under access floors in the data center.

Build Your Own System:
CPI Cable Runway and OnTrac Wire Mesh Cable Tray

OnTrac Wire Mesh Cable Tray
OnTrac Wire Mesh Cable Tray System provides a flexible pathway for data center or workspace cable distribution. Quickly and easily cut and form OnTrac around obstacles to match pathway requirements.
Ordering Information:

The following tables provide part numbers for various CPI Cable Runway, OnTrac and Zone Enclosure Systems. Additional styles, sizes and finishes are available. For more information, contact CPI at 800-834-4969 or visit www.chatsworth.com.

<table>
<thead>
<tr>
<th>OnTrac Wire Mesh Cable Tray</th>
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<tbody>
<tr>
<td>34811-512 2”H x 12”W x 10’L, Zinc Plated (50 mm x 300 mm)</td>
<td>a 10250-712 Universal, 12”W x 9’-11.5”L</td>
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<tr>
<td>34821-512 4”H x 12”W x 10’L, Zinc Plated (100 mm x 300 mm)</td>
<td>b 10822-712 E-Bend, 12”W</td>
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<tr>
<td>34831-512 6”H x 12”W x 10’L, Zinc Plated (150 mm x 300 mm)</td>
<td>c 10723-712 Outside Radius Bend, 12”W</td>
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<td>d 11959-715 Corner Bracket, 15” x 15”</td>
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<th>OnTrac System Supports</th>
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<tr>
<td>34731-501 Edge Hanger, Zinc Plated</td>
<td>e 11421-712 Wall Angle Support Kit, 12”W</td>
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<tr>
<td>34730-512 Trapeze Support Bracket for 12”W (300 mm) Tray</td>
<td>f 11746-712 Triangular Support Bracket, 12”W</td>
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<tr>
<td>34729-512 Center Support Bracket for 12”W (300 mm) Tray</td>
<td>g 12362-712 Center Support Kit, 12”W</td>
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<tr>
<td>34734-512 L Support Bracket for 12”W (300 mm) Tray</td>
<td>h 11440-002 Threaded Rod, 5/8-11 x 6’L</td>
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<tr>
<td>34736-583 Under Floor Support, 8”W x 3”H (200 mm x 80 mm)</td>
<td>i 10557-003 I-Beam Clamp, 5/8 -11</td>
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<tr>
<td>34737-501 Pedestal Clamp Bracket, Zinc Plated</td>
<td>j 11310-003 Threaded Ceiling Kit (2 shown)</td>
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<td>34737-502 Pedestal Clamp Support Kit, Zinc Plated</td>
<td>k 10506-716 Cabinet Elevation Kit, 4”-6”</td>
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<td>l 11309-001 Foot Kit</td>
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<td>m 10595-712 Rack Mounting Plate, 12”W</td>
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<td>n 10506-706 Rack Elevation Kit, 4”-6”</td>
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<th>OnTrac Splices and Fasteners</th>
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<tr>
<td>34738-501 Standard Splice Kit</td>
<td>o 12100-712 Cross Member Radius Drop, 12”W</td>
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<td>34740-501 90˚ Splice Bar Kit</td>
<td>p 10642-001 End Caps, 1 Pair</td>
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<td>q 13392-712 Dividers, 25 Pack</td>
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<td>r 11301-001 Butt Splice Kit</td>
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<td>s 11302-001 Junction Splice Kit</td>
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<td>t 13395-708 Patch Panel Rack, 19”W x 8 RMU</td>
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<td>u 13396-208 D-Ring Kit, 10 Pack</td>
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<th>Zone Enclosures</th>
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<tr>
<td>2’ x 2’ Ceiling Enclosures</td>
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<tr>
<td>13812-003 Holds (2) 110D Blocks, Large Ports</td>
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<tr>
<td>13812-002 Holds (2) Patch Panels, 2 RMU</td>
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<tr>
<td>13812-001 Holds Switch, 2 RMU, Large Ports</td>
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<td>2’ x 2’ Wireless Ceiling Enclosure</td>
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<td>ACE-DOME Holds Wireless Access Point</td>
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<tr>
<td>2’ x 2’ Raised-Floor Enclosures</td>
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<tr>
<td>A1411-RF-HR A1222-HR for the Floor, 14”D (380 mm)</td>
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<tr>
<td>A0622-RF A1222-PP for the Floor, 6”D (150 mm)</td>
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For more information about CPI Cable Runway & Tray Products go to www.chatsworth.com/pathway.
Chatsworth Products, Inc. (CPI) is a leading manufacturer of systems designed to organize, store and secure IT infrastructure equipment. As an industry leader, CPI Products set the benchmark by providing superior structural support that exceeds customer expectations through innovation, function and performance. Unequalled customer service and technical support, as well as a global network of industry-leading distributors, assures our customers that CPI is dedicated to delivering IT infrastructure solutions designed to meet their needs.

**Why Choose CPI? Flexibility, Availability and Reliability**

- Achieve Data Center Objectives
- Broad Product Selection
- Customized Configurations
- Adaptable for Future Applications

**Flexibility**

- Achieve Data Center Objectives
- Broad Product Selection
- Customized Configurations
- Adaptable for Future Applications

**Availability**

- Global Network of Distributors
- Short Factory Lead Times
- On-Time Delivery

**Reliability**

- High Quality Products
- Customer Service & Technical Support
- Heavy Duty Packaging

The CPI Total Solution Includes:

- Equipment Support
- Cable Management
- Cable Pathways
- Grounding & Bonding
- Security & Monitoring
- Thermal Management
- Power Distribution
- Seismic Bracing

**CPI Locations**

**USA**
- Corporate Office
  - Weslake Village, CA
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- Chatsworth, CA Operations
  - 818-882-8595
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Find more information about CPI Cable Runway & Tray Products at

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techsupport@chatsworth.com

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