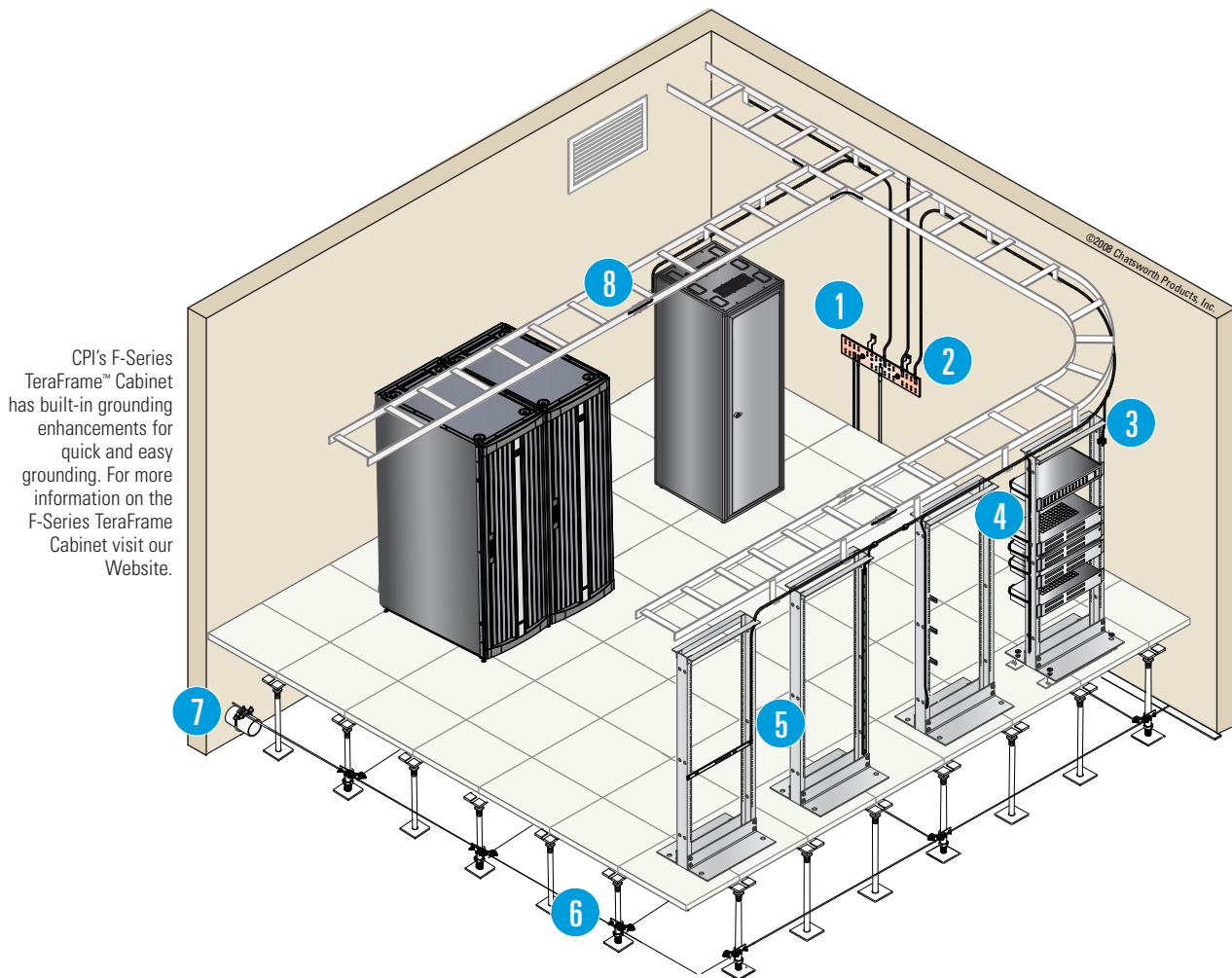


PRODUCT APPLICATION

Grounding & Bonding Solutions For Data Centers and Equipment Rooms

The electrical protection of today's high-speed cabling systems is an essential part of a properly designed and installed IT infrastructure. In response to the increase in newer, more sensitive, highly integrated electronic equipment, Chatsworth Products, Inc. (CPI) offers a comprehensive line of UL® Listed Grounding and Bonding Products, which help prevent transient voltage from damaging sensitive electronic equipment.



CPI's F-Series TeraFrame™ Cabinet has built-in grounding enhancements for quick and easy grounding. For more information on the F-Series TeraFrame Cabinet visit our Website.



1. Grounding Busbar - Provides a central ground attachment point for telecommunications systems, computers and other equipment located in the data center or equipment room.

2. Compression Lugs and Taps - Connect copper or tinned copper conductors to busbars, CPI Racks, Cabinets, Cable Runway or other conductors.

3. Two Mounting Hole Ground Terminal Block - Provides a convenient way to attach ground wires to racks or cabinets.

4. Ground Wire & Jumpers - Insulated conductor connects equipment, racks, cabinets, pedestals and pipes to the rack and Grounding Busbars.

5. Rack Busbars - Consolidate equipment grounds on racks and cabinets.

6. Pedestal Clamp with Grounding Connector - Connect raised access floor pedestals to the Grounding Busbar or support bare ground wires to make a signal reference and grid.

7. Pipe Clamp with Grounding Connector - Attach ground wires to metal pipes. Support up to two wires parallel or perpendicular to the pipe.

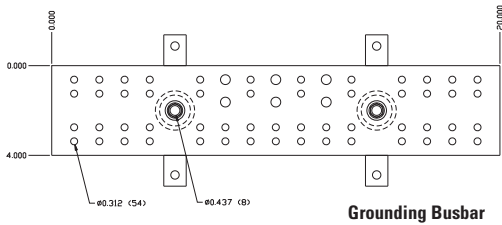
8. Cable Runway Ground Strap Kit - Bond CPI Cable Runway across splices. As an alternative, use UL Classified splices and runway.

PRODUCT APPLICATION SHEET

ORDERING INFORMATION

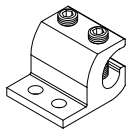
Grounding Busbar

| Part Number | Bar Size | Number of Connectors 5/8" centers / 1" centers | |
|-------------|-------------------------|---|---|
| 13622-010 | 2"W x 10"L x 1/4" thick | 4 | 3 |
| 13622-012 | 2"W x 12"L x 1/4" thick | 6 | 3 |
| 40153-012 | 4"W x 12"L x 1/4" thick | 15 | 3 |
| 40153-020 | 4"W x 20"L x 1/4" thick | 27 | 3 |



Two Mounting Hole Ground Terminal Block

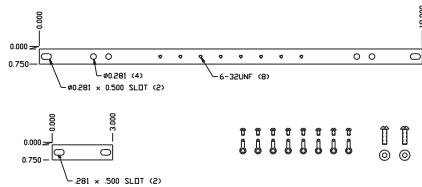
| Part Number | Description |
|-------------|--|
| 40167-001 | 3/4"H x 1-1/2"W, 5/8" Hole Spacing, #14 AWG to 2/0 |



Two Mounting Hole Ground Terminal Block

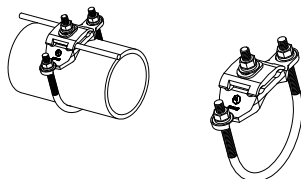
Rack Busbars

| Part Number | Description |
|-------------|--|
| 40161-072 | Vertical Rack Busbar Kit, 72"L x 1/4" thick |
| 10610-019 | Horizontal Rack Busbar Kit for 19"W Racks/Cabinets |
| 40172-001 | Rack Ground Bar Kit, 78"L x .05" thick |



Pipe Clamp with Grounding Connector

| Part Number | Pipe Nominal Size Range | Pipe OD Range |
|-------------|-------------------------|---------------|
| 40170-001 | 1/2" - 3/4" | .375" - 1" |
| 40170-002 | 1" - 1 1/4" | .75" - 1.7" |
| 40170-003 | 1 1/2" - 2" | 1" - 2.4" |
| 40170-004 | 2-1/2" - 3" | 2.25" - 3.5" |
| 40170-005 | 3-1/2" - 4" | 3.2" - 4.5" |
| 40170-006 | 5" - 6" | 6.53" - 6.63" |



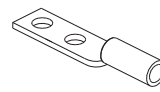
Compression Lug

| Part Number | Cable Size | Hole Spacing | Screw Size | Color Code |
|-------------|------------|--------------|------------|------------|
| 40162-901 | #6 AWG | 5/8" | 1/4" | Blue |
| 40162-903 | #6 AWG | 1" | 3/8" | Blue |
| 40162-909 | 2/0 | 1" | 3/8" | Black |
| 40162-913 | #6 AWG | 1/2", 5/8" | 1/4" | Blue |
| 40162-914 | #6 AWG | 1/2", 5/8" | 1/4" | Blue |

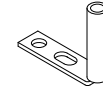
C-Type Compression Taps

| Part Number | Conductor Run | Conductor Taps |
|-------------|-----------------------|-----------------------|
| 40163-001 | #4 Stranded, #6 Solid | #6 Stranded, #6 Solid |

Note: Other sizes are available.



Two-Hole Compression Lug
P/N 40162-901



90° Slotted Compression Lug
P/N 40162-913

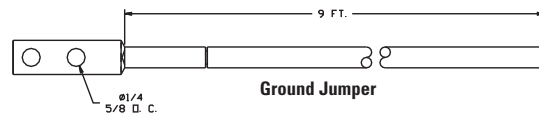


C-Type Compression Taps

Ground Wire & Jumpers

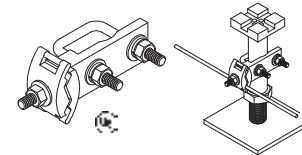
| Part Number | Description |
|-------------|--|
| 40159-001 | Ground Wire, No Lugs, #6 AWG, 100'L |
| 40159-009 | Ground Jumper, (1) Lug, #6 AWG, 9'L |
| 40159-010 | Equipment Ground Jumper Kit (2) Lugs, #6 AWG, 24"L |

Note: Insulated (green and yellow stripe), stranded conductors.



Pedestal Clamp with Grounding Connector

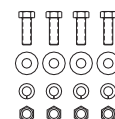
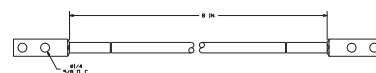
| Part Number | Type | Pedestal Size/Style | Connections |
|-------------|----------|----------------------------|--------------------------------------|
| 40169-001 | Cross | Square, 1-1/8" OD | (2) #6 AWG per side |
| 40169-002 | Cross | Round, 1-1/8" to 1-3/4" OD | (1) #6 AWG & (1) 2/0 per side |
| 40169-003 | Straight | Square or Round, 1-1/8" OD | (2) #6 AWG or (2) 2/0, one side only |



Straight Type Pedestal Clamp

Cable Runway Ground Straps

| Part Number | Description |
|-------------|--|
| 40164-001 | 8"L (11" Overall), #6 AWG, Includes Hardware |



Cable Runway Ground Straps



CHATSWORTH PRODUCTS, INC.