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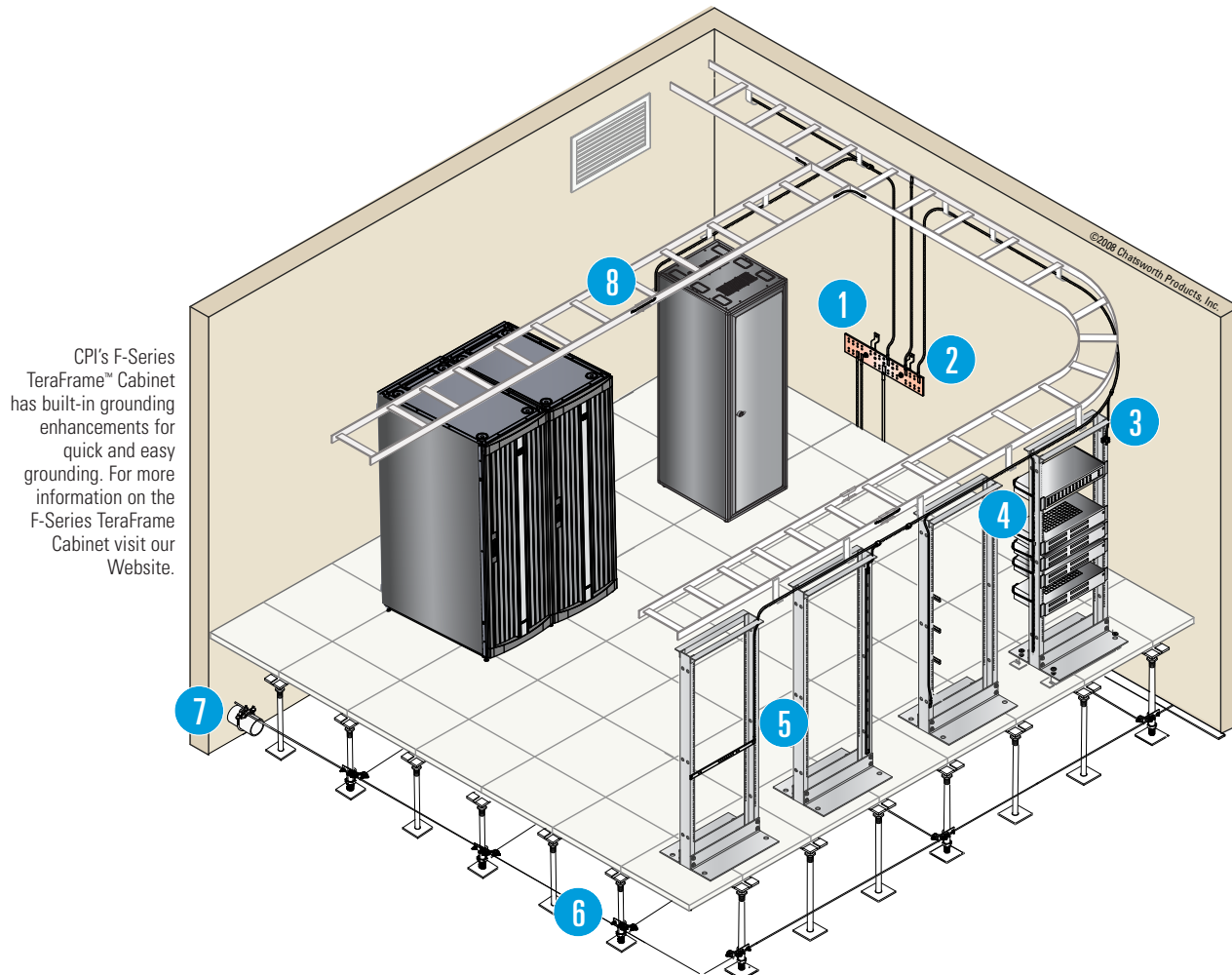
CPI's F-Series TeraFrame™ Cabinet has built-in grounding enhancements for quick and easy grounding. For more information on the F-Series TeraFrame Cabinet visit our Website.

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UL LISTED

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.

CHATSWORTH PRODUCTS, INC.

800-834-4969
techsupport@chatsworth.com
www.chatsworth.com

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
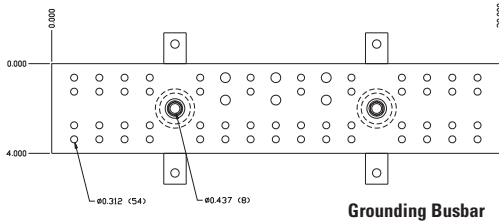
Grounding Busbar

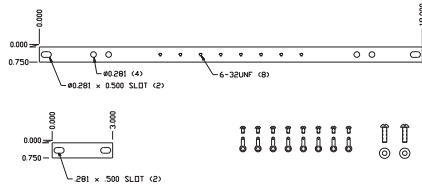### Two Mounting Hole Ground Terminal Block

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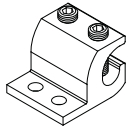
Two Mounting Hole Ground Terminal Block

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

Horizontal Rack Busbar Kit

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"
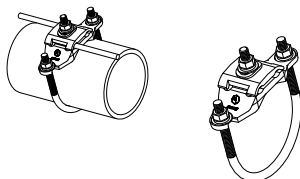
Compression Lug

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.
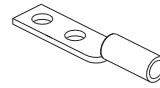
Two-Hole Compression Lug P/N 40162-901
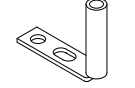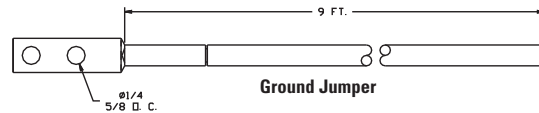
90° Slotted Compression Lug P/N 40162-913

C-Type Compression Taps

Ground Wire & Jumpers

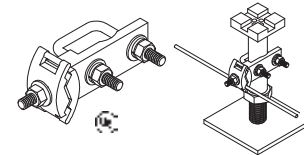| Part Number	Description
40159-001	Ground Wire, No Lugs, #6 AWG, 100'L
40159-009	Ground Jumper, (1) Lug, #6 AWG, 9'L
40159-010	Equipment Ground Jumper Kit (2) Lugs, #6 AWG, 24"L

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

**Ground Jumper**

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
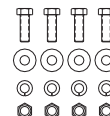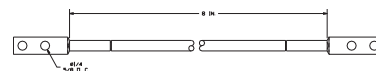
Cable Runway Ground Straps

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