

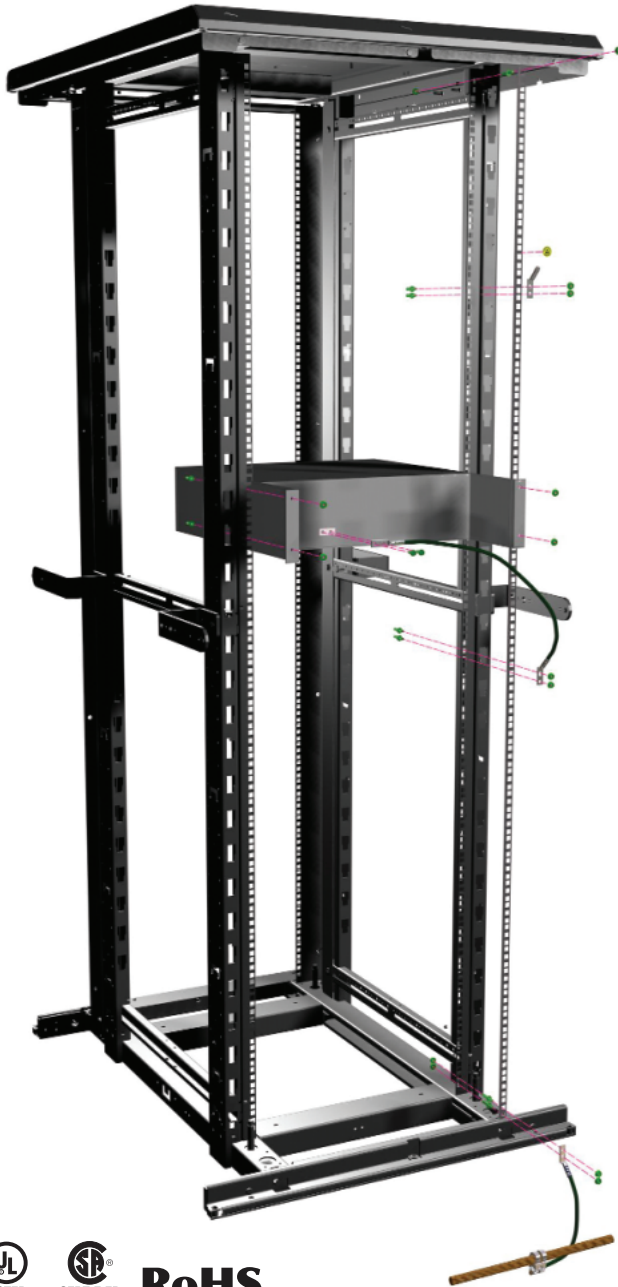
# STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding



## Selection Guide

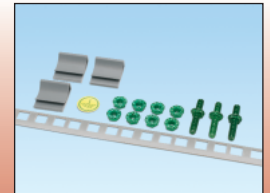
### Complete Grounding Solution

- Complies with the "Telecommunications Infrastructure Standard for Data Centers" as described in TIA-942
- Maximize uptime, maintains systems performance, and protects network equipment
- Provides a dedicated, low resistance, and visually verifiable ground system
- Flexible design for use on EIA-310-D compliant cabinet



#### Grounding Strip Kit:

- Provides a bond between the grounding strip and rack or cabinet, eliminating the need to scrape paint



#### Bonding Hardware Kit:

- Patent pending, bonds equipment and patch panels to the front or back of the rack or cabinet



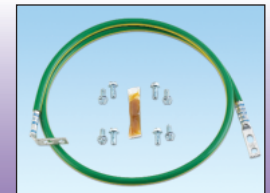
#### Electrostatic Discharge (ESD) Port Kit:

- Bent 45° acts as a hook to hold ESD wrist strap



#### Equipment Jumper Kit:

- Bonds network equipment to the grounding strip or grounding busbar



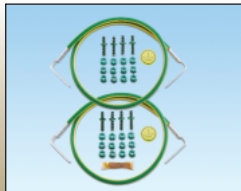
#### Common Bonding Network (CBN) Jumper Kit:

- Connects grounding strip or grounding busbar to MCBN in underfloor and overhead grounding applications



#### \*Front to Back Rail Jumper Kit:

- Patent pending hardware bonds the front and back cabinet rails to the cabinet grounding busbar



#### \*Grounding Busbar Kit:

- Provides the common grounding point within the cabinet



\*For use with unbonded cabinet; not required for PANDUIT® NET-ACCESS™ Cabinets or 4 Post Racks

# STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding

## Cabinet Grounding Selection in 2 Easy Steps:

1. What type of fasteners do your mounting rails require?
2. What is the maximum depth of the equipment being mounted?

Selection Criteria	Grounding Strip Kit <sup>^</sup>	ESD Port Kit (2 required) <sup>‡</sup>	Grounding Busbar Kit <sup>^</sup>	Front to Back Rail Jumper Kit <sup>^</sup>	Common Bonding Network (CBN) Jumper Kit <sup>*</sup>	Equipment Jumper Kit <sup>**</sup>	Bonding Hardware <sup>***</sup>	
<b>STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding</b>								
<b>PANDUIT® NET-ACCESS™ Cabinets: CN1, CN2, CN4, CN5, CN1CN, CN2CN, CS1, CS2 and CS3</b>								
<b>1. Rail Fasteners</b>								
Threaded #12-24 <sup>•</sup>	RGS134-1Y	RGESD2-1	—	—	RGCBNJ660P22	RGEJ657PFY	RGTBSC-C (Bonding Screw)	
Cage Nut <sup>••</sup>	RGS134B-1	RGESD2B-1					CGNBSK (Bonding Stud)	
<b>STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding</b>								
<b>EIA-310-D Compliant Cabinets</b>								
<b>1. Rail Fasteners</b>	<b>2. Rail Depth up to</b>							
Threaded #12-24 or M6	20" (.5m)	RGS134-1Y	RGESD2-1	RGRB19U	CGJ620U	RGCBNJ660P22	RGEJ657PFY	RGTBSC-C or RGTBSM6G-C
	30" (.75m)							
	40" (1m)							
Threaded #10-32 or M5	20" (.5m)	RGS134B-1	RGESD2A-1	RGRB19CN	CGJ620UA	RGCBNJ660P22	RGEJ657PFY	RGTBS1032G-C or RGTBSM5G-C
	30" (.75m)							
	40" (1m)							
Cage Nut	20" (.5m)	RGS134B-1	RGESD2B-1	RGRB19CN	CGJ620UB	RGCBNJ660P22	RGEJ657PFY	CGNBSK (Bonding Stud)
	30" (.75m)							
	40" (1m)							
1/4" Thru-Hole	20" (.5m)	RGS134C-1	RGESD2C-1	RGRB19U	CGJ620UC	RGCBNJ660P22	RGEJ657PFY	THBSK (Bonding Stud)
	30" (.75m)							
	40" (1m)							

<sup>^</sup>Grounding strip kits, grounding busbar kits, and front to back rail jumper kits are supplied with mounting hardware based upon rail type.

<sup>•</sup>Grounding strip kits include 45 RU strip lengths, additional kits for 42 RU and 47 RU also available. Grounding strip kits also available in packages of ten.

<sup>‡</sup>ESD port recommended for use on front and back of cabinet.

<sup>\*</sup>CBN jumper kit supports MCBN connection up to #2 AWG (35mm<sup>2</sup>). Use RGCBNJ660PY for cable sizes up to 250kcmil (120mm<sup>2</sup>).

<sup>\*\*</sup>Additional equipment jumper kits available in different sizes with different termination options. One equipment jumper kit is required per component.

<sup>\*\*\*</sup>Use bonding hardware to mount and bond equipment to the cabinet.

<sup>•</sup>Threaded #12-24 rails are included with the CN1, CN2, CN4 and CN5 cabinets.

<sup>••</sup>Cage nut equipment rails are sold in pairs for the cabinets, order part numbers CNRC, CN1CN, CN2CN, CS1, CS2 and CS3.

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