# STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding
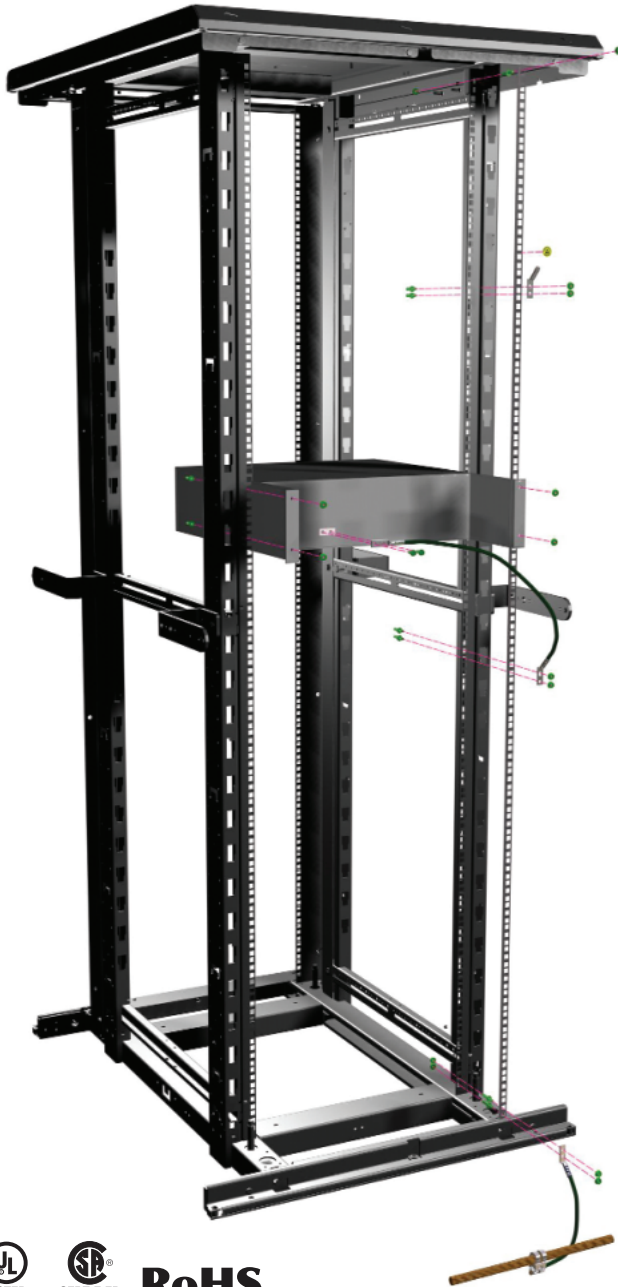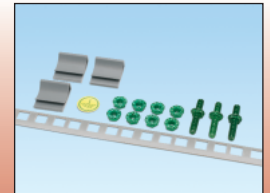
## Complete Grounding Solution

- 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
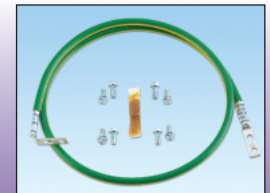
**Electrostatic Discharge (ESD) Port Kit:**
- Bent 45° acts as a hook to hold ESD wrist strap

**Equipment Jumper Kit:**
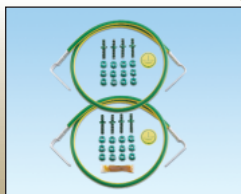- Bonds network equipment to the grounding strip or grounding busbar

**Common Bonding Network (CBN) Jumper Kit:**
- Connects grounding strip or grounding busbar to MCBN in underfloor and overhead grounding applications

UL LISTED    CSA CERTIFIED    **RoHS**

**\*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

**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^■ | ESD Port Kit (2 required)‡ | Grounding Busbar Kit^ | Front to Back Rail Jumper Kit^ | Common Bonding Network (CBN) Jumper Kit* | Equipment Jumper Kit** | Bonding Hardware*** |
|---|---|---|---|---|---|---|---|---|
| **PANDUIT® NET-ACCESS™ Cabinets: CN1, CN2, CN4, CN5, CN1CN, CN2CN, CS1, CS2 and CS3** | | STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding | | | | | | |
| **1. Rail Fasteners** | | | | | | | | |
| Threaded #12-24• | | RGS134-1Y | RGESD2-1 | — | — | RGCBNJ660P22 | RGEJ657PFY | RGTBSG-C (Bonding Screw) |
| Cage Nut•• | | RGS134B-1 | RGESD2B-1 | | | | | CGNBSK (Bonding Stud) |
| **EIA-310-D Compliant Cabinets** | | STRUCTUREDGROUND™ Kits for Data Center Cabinet Grounding | | | | | | |
| **1. Rail Fasteners** | **2. Rail Depth up to** | | | | | | | |
| Threaded #12-24 or M6 | 20" (.5m) | RGS134-1Y | RGESD2-1 | RGRB19U | CGJ620U | RGCBNJ660P22 | RGEJ657PFY | RGTBSG-C or RGTBSM6G-C |
| | 30" (.75m) | | | | CGJ630U | | | |
| | 40" (1m) | | | | CGJ640U | | | |
| Threaded #10-32 or M5 | 20" (.5m) | | RGESD2A-1 | | CGJ620UA | | | RGTBS1032G-C or RGTBSM5G-C |
| | 30" (.75m) | | | | CGJ630UA | | | |
| | 40" (1m) | | | | CGJ640UA | | | |
| Cage Nut | 20" (.5m) | RGS134B-1 | RGESD2B-1 | RGRB19CN | CGJ620UB | | | CGNBSK (Bonding Stud) |
| | 30" (.75m) | | | | CGJ630UB | | | |
| | 40" (1m) | | | | CGJ640UB | | | |
| 1/4" Thru-Hole | 20" (.5m) | RGS134C-1 | RGESD2C-1 | RGRB19U | CGJ620UC | | | THBSK (Bonding Stud) |
| | 30" (.75m) | | | | CGJ630UC | | | |
| | 40" (1m) | | | | CGJ640UC | | | |

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

■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.

‡ESD port recommended for use on front and back of cabinet.

*CBN jumper kit supports MCBN connection up to #2 AWG (35mm²). Use RGCBNJ660PY for cable sizes up to 250kcmil (120mm²).

**Additional equipment jumper kits available in different sizes with different termination options. One equipment jumper kit is required per component.

***Use bonding hardware to mount and bond equipment to the cabinet.

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

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

**For more information**
**Visit us at www.panduit.com**
Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference GRSG01

### PANDUIT®