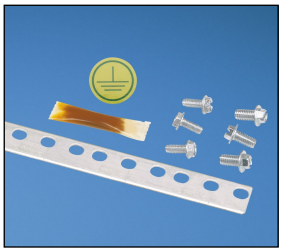
StructuredGround™ Grounding Strips

PANDUIT®

SPECIFICATION SHEET

specifications

UL Listed grounding strips shall be installed on a back equipment mounting rail of each rack and cabinet. The strip shall be sized to ensure that each Rack Unit (RU) has a bonding location. Grounding strips shall be bonded to the rail with paint piercing hardware. Antioxidant shall be applied to the bonding hardware before installation. The bonding strip shall be labeled as a grounding location. The Unit Bonding Conductors (UBC) for each piece of equipment (ITE) shall be bonded directly to the grounding strip.



technical information

Performance level:	UL Listed, CSA Certified, RoHS Compliant
Dimensions:	Width = .67" (17mm); Thickness = .05" (1.27mm) for threaded rail fasteners, .03" (.76mm) for cage nut rail fasteners; Lengths available to accommodate 42-52 RU ;EIA universal mounting hole pattern
Kit contents:	Grounding strip, antioxidant*, grounding sticker and all appropriate installation hardware

Part Number		
Individually Packaged Units	**Carton of Ten Units**	**Grounding Strip Length**
Grounding Strip Kits for Threaded Rail Fasteners – include three each #12-24 x ½" and M6 x 12mm thread-forming screws.		
RGS13442-1	**RGS13442-10-1**	42 RU, 73.40"(1.9m)
RGS134-1Y	**RGS134-10-1Y**	45 RU, 78.65" (2.0m)
RGS13448-1	**RGS13448-10-1**	48 RU, 83.90" (2.1m)
RGS13451-1	**RGS13451-10-1**	51 RU, 89.15" (2.3m)
RGS13452-1	**RGS13452-10-1**	52 RU, 90.90" (2.3m)
Grounding Strip Kits for Cage Nut Rail Fasteners – include three cage nut bonding studs, eight bonding nuts and three strip clips.		
RGS134B42-1	**RGS134B42-10-1**	42 RU, 73.40" (1.9m)
RGS134B-1	**RGS134B-10-1**	45 RU, 78.70" (2m)
RGS134B48-1	**RGS134B48-10-1**	48 RU, 83.90" (2.1m)
RGS134B51-1	**RGS134B51-10-1**	51 RU, 89.15" (2.3m)
RGS134B52-1	**RGS134B52-10-1**	52 RU, 90.90" (2.3m)

*Cartons of ten units are provided with one package of antioxidant.

key features and benefits

Patented paint-piercing components	Automatically create the necessary bonds when installed, saving installation time and costs while preventing errors
Bonds directly to the equipment mounting rail	Providing a convenient bonding location for ITE which improves grounding cable management

applications

StructuredGround™ Grounding Strips provide an electrically continuous grounding location for jumpers. They facilitate easy moves, adds, and changes, ensuring that UBCs are bonded without the need for paint scraping or additional paint piercing hardware. Grounding strips are part of the complete, modular StructuredGround™ Grounding Solution for all telecommunications bonding needs, from access floors to pathways and ITE, which protects ITE and personnel and facilitates data communications throughout your facility.

Electrostatic Discharge (ESD) Protection

Port kit with #12-24 and M6 thread-forming screws:	RGESD2-1
Port kit for cage nut mounting rails:	RGESD2B-1
ESD protection wrist strap:	RGESDWS

Grounding Busbars

Busbar with #12-24 and M6 thread-forming screws:	RBRB19Y
Busbar for cage nut mounting rails:	RGRB19CN

Bonding Conductors

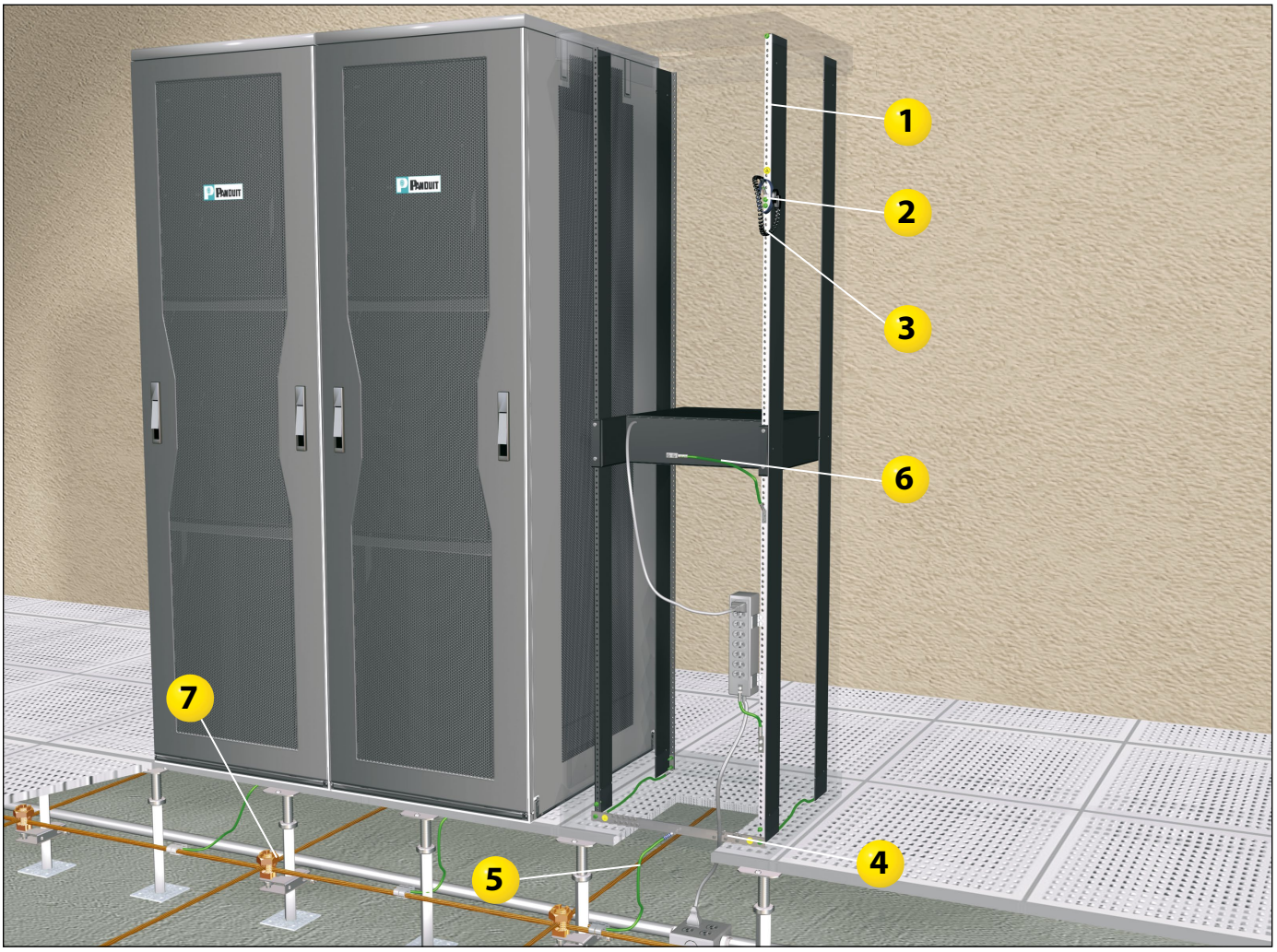
Rack bonding conductor (CBN jumper):	RGCBNJ660P22
Unit bonding conductor (equipment jumper):	RGEJ657PFY

Access Floor Grounding Clamps

3/4"-7/8" Round:	GPQC07-1/0
1 – 1 1/8" Round, 7/8" Square:	GPQC10-1/0
1 1/4" Round:	GPQC12-1/0
1 1/2" Round:	GPQC15-1/0
1 3/4" Round:	GPQC17-1/0
2" Round:	GPQC20-1/0

StructuredGround™ Grounding Strips

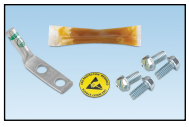
Cabinet bonding in the data center (back of cabinets shown)



1 Grounding Strip: RGS



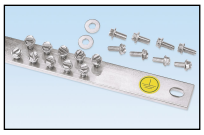
2 ESD Port Kit: RGESD



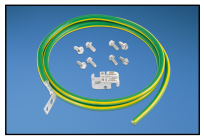
3 ESD Protection Wrist Strap: RGESDWS



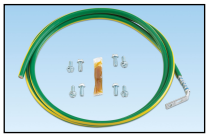
4 Grounding Busbar: RGRB



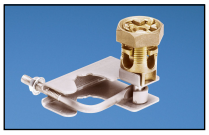
5 Rack Bonding Conductor: RGCBNJ



6 Unit Bonding Conductor: RGEJ



7 Access Floor Grounding Clamps: GPQC



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