PANDUIT®

SPECIFICATION SHEET

specifications

Grounding and bonding kits shall bond each rack to Telecommunications Grounding Busbar (TGB) using Telecommunications Equipment Bonding Conductor (TEBC). Hardware kit shall bolt TEBC to TGB with 1/4" stainless steel hardware. Each bolt requires a nut, flat washer on both sides, and a Belleville washer on the bolt side of the stack up. TEBC shall be bolted to rack with #12-24 thread-forming screws. Abrasive cleaning pad shall remove oxidation from lug and mounting surfaces. Copper to copper joint compound shall also be utilized to prep lug mounting surfaces. The front and back of each rack requires one ESD Port Kit and ESD wrist strap. Bond TGB to electrical panel serving equipment in telecommunications room.

kit information

NEW!

TEBC Kits:
Pre-terminated jumper on both ends – #6 AWG (16mm²) jumper with 45° bent lug on rack side to straight lug on TGB.

Part Number	Length In. (m)
GJ672UH	72 (1.83)
GJ696UH	96 (2.44)
GJ6120UH	120 (3.05)
GJ6144UH	144 (3.66)
GJ6168UH	168 (4.27)
GJ6192UH	192 (4.88)
GJ6216UH	216 (5.49)
GJ6240UH	240 (6.10)
GJ6264UH	264 (6.71)
GJ6288UH	288 (7.32)

NEW!

TEBC Kits:
Pre-terminated jumper on one end only – #6 AWG (16mm²) jumper with 45° bent lug for bonding to rack.

Part Number	Length In. (m)
GJS660U	60 (1.52)
GJS696U	96 (2.44)
GJS6120U	120 (3.05)
GJS6180U	180 (4.57)

TGB Kits:
Pre-assembled with brackets and insulators – bar size 1/4" x 2".

Part Number	Bar Length In.	1/4" Stud Hole with 5/8" Hole Spacing	3/8" Stud Hole with 1" Hole Spacing
GB2B0304TPI-1	10	4	3
GB2B0306TPI-1	12	6	3
GB2B0312TPI-1	20	12	3

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Compression Lugs for TGB:
Two-hole straight tongue compression lug with window.

Part Number	Copper Conductor Size	Stud Hole Size In. (mm)	Stud Hole Spacing In. (mm)
LCC6-14JAW-L	#6 AWG (16mm²)	1/4 (M6)	.50 – .63 (12.7 – 16.0)
LCC2-14AW-Q	#2 AWG (35mm²)	1/4 (M6)	.63 (12.7 – 16.0)
LCC1/0-14AW-X	1/0 AWG (50mm²)	1/4 (M6)	.63 (12.7 – 16.0)
LCC3/0-38DW-X	3/0 AWG (95mm²)	3/8 (M8)	1.00 (25.4)
LCC4/0-38DW-X	4/0 AWG (95mm²)	3/8 (M8)	1.00 (25.4)

NEW!

Armored Fiber Cable Grounding Kits:
Pre-terminated jumper on both ends – straight lug and #10 mechanical clamp. Provided with terminal cover and two each #12-24 and M6 hex head thread-forming screws.

Part Number	Armored Cable Diameter In.	Grounding Cable Length In.
ACG24K	Up to .84	24
ACG24K-500	.84 to 1.03	24

Related Products

Hardware Kits: include 2 bolts, 2 nuts, 4 flat washers, 2 Belleville washers for TGB and 2 thread-forming screws for racks

1/4" kit with #12-24 and M6 screws:	HDW1/4-KT
3/8" kit with #12-24 and M6 screws:	HDW3/8-KT
1/4" kit with #10-32 and M5 screws:	HDW1/4-A-KT
3/8" kit with #10-32 and M5 screws:	HDW3/8-A-KT

Stainless Steel Bolts

1/4-20	SSNTS1420-C
3/8-18	SSNTS3816-C

Stainless Steel Belleville Washers

1/4"	SSCW14-C
3/8"	SSCW38-C

Stainless Steel Flat Washers

1/4"	SSFW14-C
3/8"	SSFW38-C

Stainless Steel Nuts

1/4-20	SSN1420-C
3/8-18	SSN3816-C

Abrasive Cleaning Pad

4-1/2" x 6"	HANDPAD

ESD Port

Two-hole ESD port with banana jack:	RGESD2-1

ESD Wrist Strap

6' coil cord, banana plug, 1 megohm resistor:	RGESDWS

Equipment Jumper Kits: include .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2" and M5 x 12mm thread-forming screws

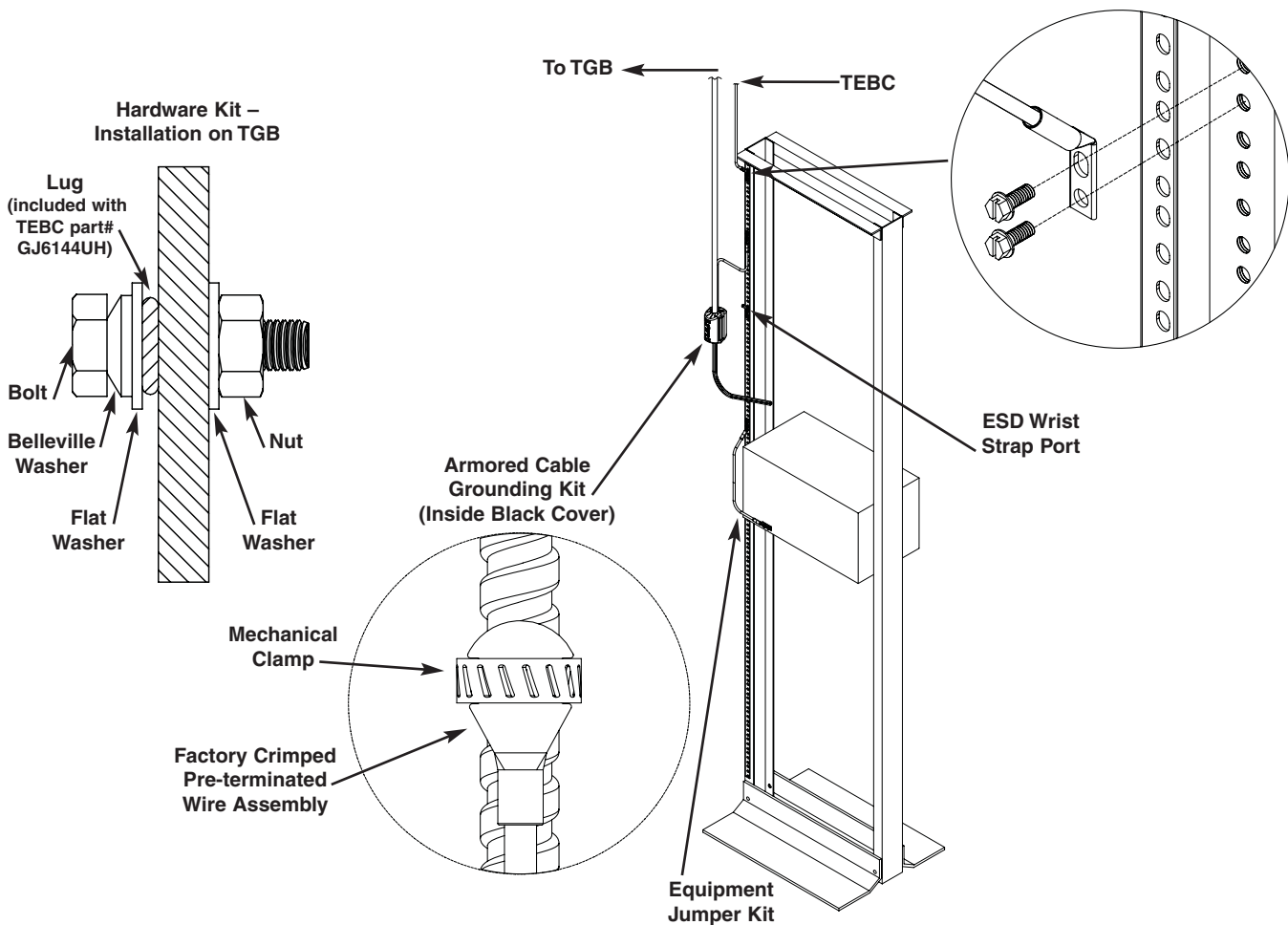|	
#6 AWG (16mm²) jumper, 57" (1.45m) length, bent lug on grounding strip side:	RGEJ657PFY
#6 AWG (16mm²) jumper, 24" (.61m) length, bent lug on grounding strip side to straight lug on equipment:	RGEJ624PFY

applications

Panduit® StructuredGround™ Telecommunications Room Grounding and Bonding Kits deliver a complete grounding solution, designed to exceed industry standards for ensured electrical continuity and ease of installation. Bonding of rack and equipment to TGB and proper ESD protection is critical to the reliability and safety needs of the physical infrastructure. Integrated technology from Panduit addresses comprehensive grounding and bonding needs to protect systems, equipment, and personnel for optimum availability of services and lower operational costs. As solution architecture, a range of installation tooling, design software, and services complement StructuredGround™ Grounding System.

For the complete StructuredGround™ Grounding System offering, refer to www.panduit.com/dcgrounding.

www.panduit.com

bill of materials (example):

The following sample bill of materials and installation drawings are provided to assist you with ordering and kit combinations to meet your application needs.

Description	Part Number	Qty
TGB Kit	GB2B0306TPI-1	1 per Telecommunications Room
TEBC Kit	GJ6144UH	1 per Rack/Cabinet
Hardware Kit	HDW1/4-KT	1 per Rack/Cabinet
Equipment Jumper Kit	RGEJ657PFY	1 per Equipment
ESD Port	RGESD2-1	2 per Rack/Cabinet (one front and one back)
ESD Wrist Strap	RGESDWS	2 per Rack/Cabinet (one front and one back)
Armored Fiber Cable Grounding Kit	ACG24K	1 per Armored Fiber Cable

Hardware Kit – Installation on TGB

Lug (included with TEBC part# GJ6144UH)

Bolt, **Belleville Washer**, **Flat Washer**, **Nut**, **Flat Washer**

Mechanical Clamp

Factory Crimped Pre-terminated Wire Assembly

To TGB, **TEBC**, **ESD Wrist Strap Port**, **Armored Cable Grounding Kit (Inside Black Cover)**, **Equipment Jumper Kit**

For the complete *StructuredGround*™ Grounding System offering, refer to www.panduit.com/dcgrounding.

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 GRSP05