Eaton offers a variety of grounding accessories which are sold individually or as a kit. Kits are available as one kit per rack, allowing for ease of stocking and reordering.

- Vertical rack ground bar kit
- Horizontal rack ground bar kit
- Telecommunications grounding bar

- Ground rod / pipe clamps
- Compression lugs
- Unit bonding conductors

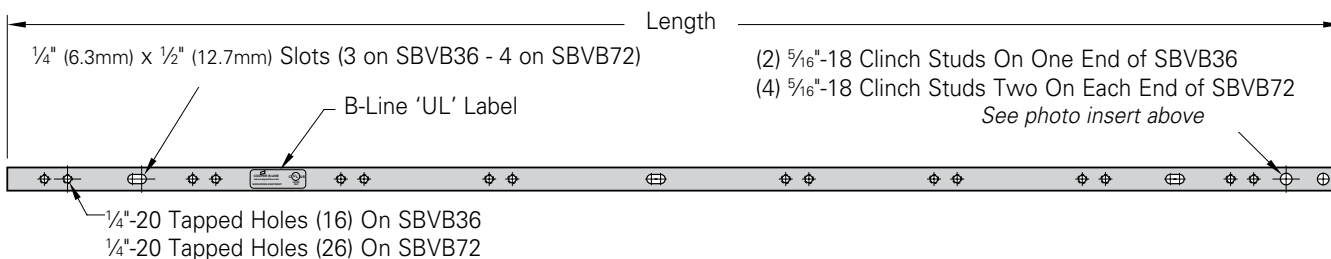| **Material:**	**Type**	**Thickness**	**Specifications**
	Copper Bar	as shown on pages	ASTM 187 / 187M-06

Standard Conformance:

ANSI / TIA / EIA 607
UL File Number E184155).

Grounding Accessories
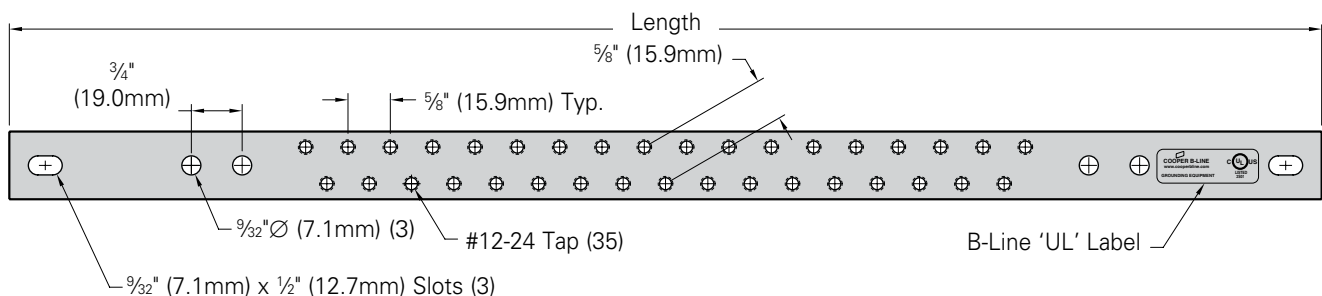
Vertical Rack Ground Bar & Kits

- Provides a vertical ground path between equipment mounted on the rack
- Typically used on 2-post or 4-post racks
- Blank end and studded end can be attached together to splice bars
- Isolators may be used to separate bar from rack (or omitted depending on application grounding scheme)
- Kit includes
    - 1 - Vertical rack ground bar
    - 3 - Insulators
    - 1 - #2 compression lug
    - 8 - ¼"-20 x ½" (12.7mm) SS4 hex bolts & lock washers
    - 4 - ⁵⁄₁₆"-18 SS4 hex nut & lock washers
    - 3 - #12-24 x ⅝" (15.9mm) SS4 hex washer bolts
- Material: ¼" (6.3mm) x ⅝" (15.9mm) copper bar

Hardware Kit

SBVB36 shown

¼" (6.3mm) x ½" (12.7mm) Slots (3 on SBVB36 - 4 on SBVB72)

B-Line 'UL' Label

Length

(2) ⁵⁄₁₆"-18 Clinch Studs On One End of SBVB36
(4) ⁵⁄₁₆"-18 Clinch Studs Two On Each End of SBVB72
See photo insert above

¼"-20 Tapped Holes (16) On SBVB36
¼"-20 Tapped Holes (26) On SBVB72

Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBVB36	Ground Bar Only	36"	(914)	2.0	(0.91)
SBVB36K	Bar & Hardware Kit	36"	(914)	2.2	(1.00)
SBVB72	Ground Bar Only	72"	(1828)	3.7	(1.69)
SBVB72K	Bar & Hardware Kit	72"	(1828)	3.9	(1.77)

Horizontal Rack Ground Bar Kit

- Used to consolidate grounds on the equipment rack
- Typically used on 2-post or 4-post racks
- Isolators may be used to separate bar from rack (or omitted depending on application grounding scheme)
- Kit includes
    - 1 - Horizontal rack ground bar
    - 2 - White insulators
    - 4 - #12-24 x ⅝" (15.9mm) zinc plated screws & flat washers
    - 20 - #12-24 x ½" (12.7mm) zinc plated screws
    - 2 - Ground labels
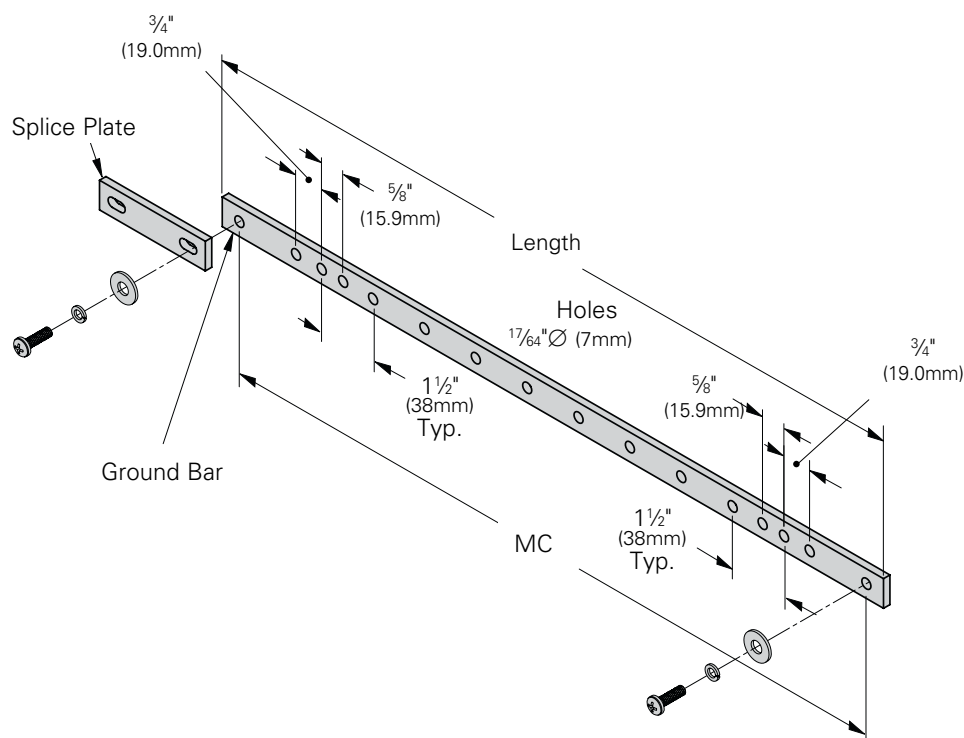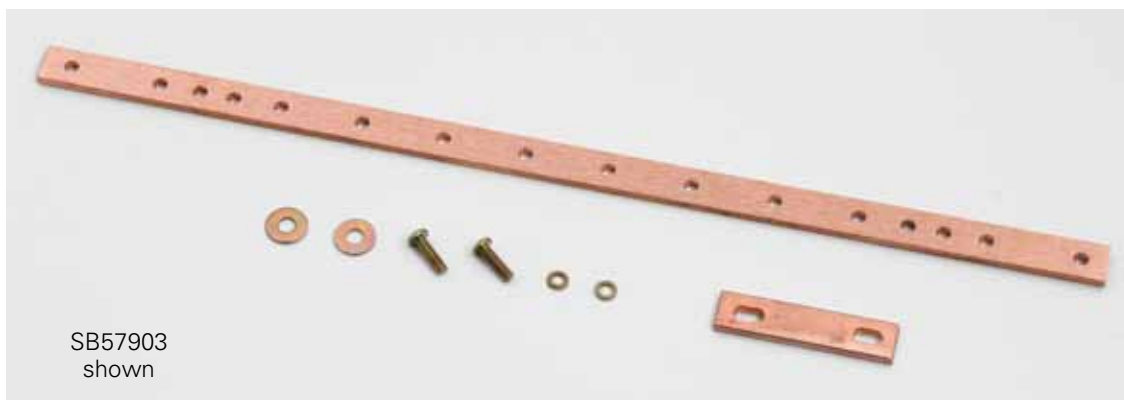- Material: ³⁄₁₆" (4.7mm) x 1" (25.4mm) copper bar

Part Number	Rack Width		Includes	Length		Wt./Ea.	
	in.	(mm)		in.	(mm)	lbs.	(kg)
SBHB119K	19"	(482)	Bar & Hardware Kit	19⅜"	(492)	3.0	(1.36)
SBHB123K	23"	(584)	Bar & Hardware Kit	23⅜"	(592)	1.7	(0.79)

Grounding Accessories

Universal Ground Bar

- Used as a rack mounted equipment grounding bus
- Kit includes:
    1 - Ground bar
    1 - Splice plate
    2 - #12-24 x ¾" (19.0mm) yellow zinc plated screws
    2 - #12 yellow zinc plated lock washers
    2 - ¼" yellow zinc plated flat washers
- Material: ³⁄₁₆" (4.7mm) x ¾" (19.0mm) copper bar

SB57903
shown

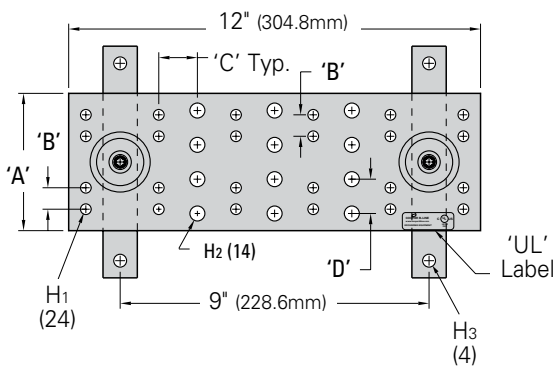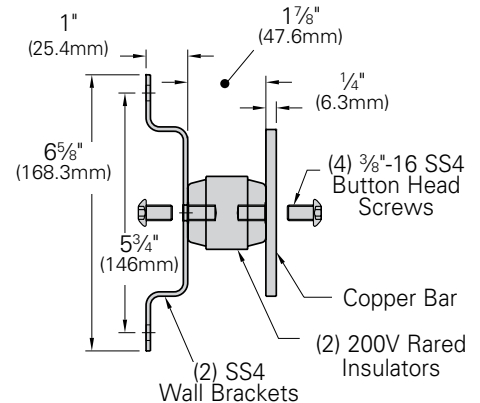| Part Number	Rack Width		Length (overall)		MC (mtg. centers)		Holes	Wt./Ea.	
	in.	(mm)	in.	(mm)	in.	(mm)		lbs.	(kg)
SB57903	19"	(482)	19⁵⁄₁₆"	(490)	18⁵⁄₁₆"	(465)	16	1.0	(0.04)
SB57904	23"	(584)	23⁵⁄₁₆"	(592)	22⁵⁄₁₆"	(567)	18	1.2	(0.05)

Telecommunications Main Grounding Bar

- Used as a central consolidation point for telecommunications and other low voltage systems within the room
- Typically located on wall or entry room where exterior ground enters building
- Kit includes:
    - 1 - Grounding bar assembly
    - 6 - #6 compression lugs
    - 1 each - #2, 1/0, 2/0, 3/0 compression lugs
    - 12 each - ¼"-20 x ¾" (19.0mm) SS4 hex bolts, hex nuts & lock washers
    - 6 each - ⅜"-16 x 1" (25.4mm) SS4 hex bolts, hex nuts & lock washers
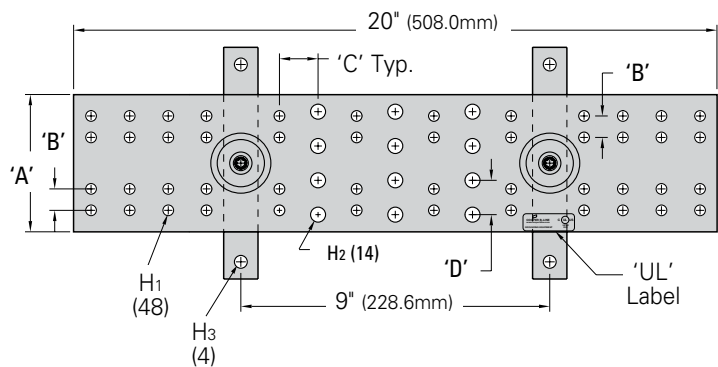- Material: Copper bar and SS4 wall brackets

SBTMGB12K shown

SBTMGB12 shown

UL LISTED

Dimensional Data

A = 4" (101.6mm)
B = ⅝" (15.8mm)
C = 1¼" (31.7mm)
D = 1" (25.4mm)
H_1 = ⁵⁄₁₆"∅ (7.9mm)
H_2 = ⁷⁄₁₆"∅ (11.1mm)
H_3 = ⅜"∅ (9.5mm)

1" (25.4mm)
1⅞" (47.6mm)
¼" (6.3mm)
6⅝" (168.3mm)
5¾" (146mm)
(4) ⅜"-16 SS4 Button Head Screws
Copper Bar
(2) 200V Rared Insulators
(2) SS4 Wall Brackets

SBTMBG12

SBTMBG20

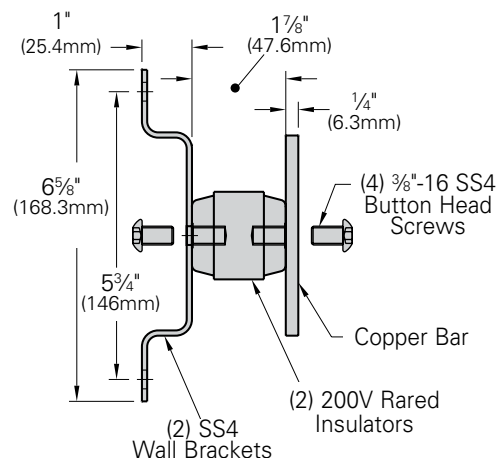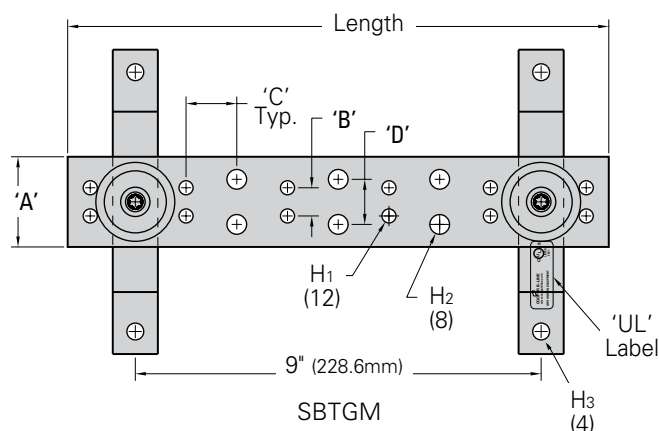| Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBTMGB12	Grounding Bar Assy	12"	(305)	4.7	(2.13)
SBTMGB12K	Bar Assy & Hardware Kit	12"	(305)	7.7	(3.49)
SBTMGB20	Grounding Bar Assy	20"	(508)	7.1	(3.22)
SBTMGB20K	Bar Assy & Hardware Kit	20"	(508)	10.1	(4.58)

Grounding Accessories

Telecommunications Grounding Bar Kit

- Provides a common grounding point within the telecommunications room
- Typically is located on wall of data room
- Kit includes
    - 1 - Grounding bar assembly
    - 6 - #6 compression lugs
    - 1 each - #2, 1/0, 2/0, 3/0 compression lugs
    - 12 each - ¼"-20 x ¾" (19.0mm) SS4 hex bolts, hex nuts & lock washers
    - 6 each - ⅜"-16 x 1" (25.4mm) SS4 hex bolts, hex nuts & lock washers
- Material: Copper bar & SS4 wall brackets

SBTGBK shown

SBTGB shown

Dimensional Data

A = 2" (50.8mm)
B = ⅝" (15.8mm)
C = 1¼" (31.7mm)
D = 1" (25.4mm)
H1 = $\frac{5}{16}$"∅ (7.9mm)
H2 = $\frac{7}{16}$"∅ (11.1mm)
H3 = ⅜"∅ (9.5mm)

UL LISTED

Length

'C' Typ. 'B' 'D'

'A'

H1 (12)

H2 (8)

'UL' Label

9" (228.6mm)

SBTGM

H3 (4)

1" (25.4mm)

1⅞" (47.6mm)

¼" (6.3mm)

6⅝" (168.3mm)

5¾" (146mm)

(4) ⅜"-16 SS4 Button Head Screws

Copper Bar

(2) 200V Rared Insulators

(2) SS4 Wall Brackets

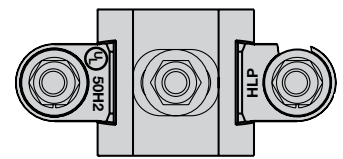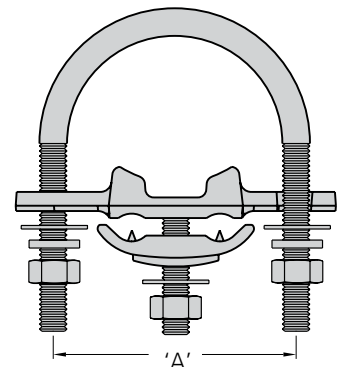| Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBTGB	Grounding Bar Assy	12"	(305)	2.91	(1.32)
SBTGBK	Bar Assy & Hardware Kit	12"	(305)	4.91	(2.23)

Ground Rod / Pipe Clamps

- Used to attach ground wire to raised floor pedestals
- Ground wire system inside floor can be used to ground F.A.S.T.™ System trays
- Sized for ground wires 6 AWG stranded through 250MCM
- ⁵⁄₁₆" hardware included
- Material: SS4 U-bolt and hardware - tinned bronze casting
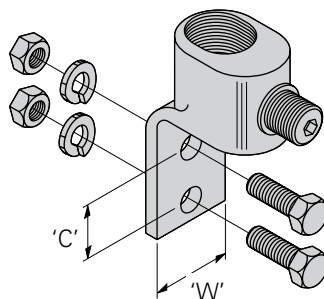

SBPC050075
closed

SBPC050075
open

'A'

Part Number	Pipe Size (nominal)		A		Wt./Ea.	
	in.	(mm)	in.	(mm)	lbs.	(kg)
SBPC050075	½" - ¾"	(15 - 20)	1.57"	(39.9)	0.47	(0.21)
SBPC100125	1" - 1¼"	(25 - 32)	2.03"	(51.5)	0.79	(0.36)
SBPC150200	1½" - 2"	(40 - 50)	2.75"	(69.8)	0.75	(0.34)
SBPC250300	2½" - 3"	(65 - 80)	3.87"	(98.3)	0.95	(0.43)
SBPC350400	3½" - 4"	(90 - 100)	4.87"	(123.7)	1.21	(0.55)
SBPC500600	5" - 6"	(125 - 150)	7.00"	(177.8)	1.70	(0.77)

Two-Hole Mechanical Lug

- Use for connection of electric wire to grounding bus
- Setscrew may be either allen head or hex head
- Includes: silicon bronze hardware
- Additional sizes available
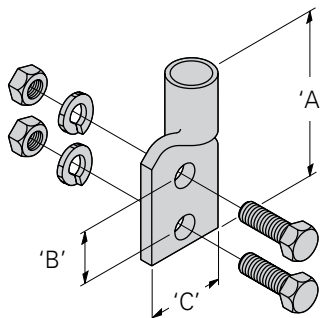- Sold individually
- Material: Copper alloy

'C'

'W'

Part Number	Wire Size	'C'		'W'		Bolt Size	Wt./Ea.	
		in.	(mm)	in.	(mm)		Lbs.	(kg)
SB47801	#14 to #8	⅝"	(16)	½"	(13)	#10-24	0.05	(0.02)
SB47802	#8 to #4	⅝"	(16)	½"	(13)	¼"-20	0.07	(0.03)
SB47803	#4 to #1	¾"	(19)	⅝"	(16)	¼"-20	0.14	(0.06)
SB47804	#1 to 2/0	1"	(25)	¹³⁄₁₆"	(20)	⅜"-16	0.23	(0.10)

Grounding Accessories
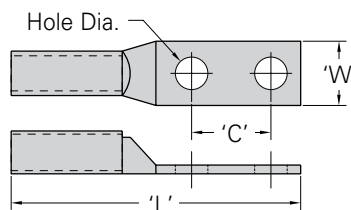
Compression Connector Lug

- Use for connection of ground wire to grounding bus
- Includes: silicon bronze hardware
- See SBTMGB20 or SBTGB for bus bar
- Additional sizes available
- Material: Copper alloy

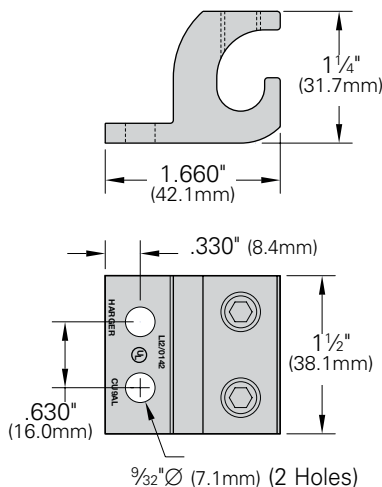| Part Number	Wire Size	'A' in.	'A' (mm)	'B' in.	'B' (mm)	'C' in.	'C' (mm)	Bolt Size	Weight Lbs.	Weight (kg)
SB47901	#8	$1^{11}/_{16}$"	(43)	$^5/_8$"	(16)	$^{13}/_{32}$"	(10)	#10-24	0.03	(0.01)
SB47902	#6	$1^{13}/_{16}$"	(46)	$^5/_8$"	(16)	$^7/_{16}$"	(11)	$^1/_4$"-20	0.05	(0.02)
SB47903	#4	$1^{29}/_{32}$"	(48)	$^5/_8$"	(16)	$^9/_{16}$"	(14)	$^1/_4$"-20	0.06	(0.03)
SB47904	#2	2"	(51)	$^5/_8$"	(16)	$^{19}/_{32}$"	(15)	$^1/_4$"-20	0.08	(0.03)
SB47905	#1	$2^1/_{16}$"	(52)	$^5/_8$"	(16)	$^{45}/_{64}$"	(18)	$^1/_4$"-20	0.10	(0.04)
SB47906	1/0	$2^3/_4$"	(70)	1"	(25)	$^3/_4$"	(19)	$^3/_8$"-16	0.20	(0.09)
SB47907	2/0	$3^{13}/_{16}$"	(97)	$1^3/_4$"	(44)	$^{13}/_{16}$"	(20)	$^1/_2$"-13	0.23	(0.10)

Compression Lugs (Long Barrel)

- Use for connection of electric grounding wire to grounding bus
- Sold in package of 10 pcs
- Material: Tinned Copper

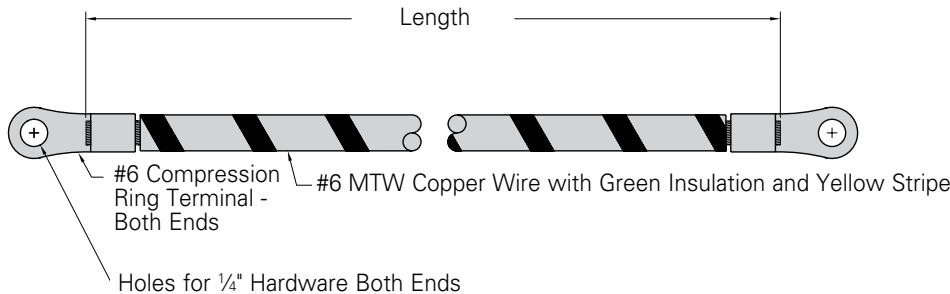| Part Number	Lug Size & # of Holes	Hole Dia. in.	Hole Dia. (mm)	'W' in.	'W' (mm)	'L' in.	'L' (mm)	'C' in.	'C' (mm)	Wt./Pkg. lbs.	Wt./Pkg. (kg)
SBCL 1	2/0 - 2 Hole	$^{13}/_{32}$"	(10.3)	$^{13}/_{16}$"	(20.6)	$3^{21}/_{32}$"	(92.8)	1"	(25.4)	6.0	(2.72)
SBCL 2	2/0 - 2 Hole	$^{17}/_{32}$"	(13.5)	$^{13}/_{16}$"	(20.6)	$4^7/_8$"	(123.8)	$1^3/_4$"	(44.4)	14.0	(6.35)
SBCL 3	3/0 - 2 Hole	$^9/_{16}$"	(14.3)	$^{15}/_{16}$"	(23.8)	$3^3/_4$"	(95.2)	1"	(25.4)	20.0	(9.07)
SBCL 4	4/0 - 2 Hole	$^9/_{16}$"	(14.3)	1"	(25.4)	$3^{29}/_{32}$"	(99.2)	1"	(25.4)	20.0	(9.07)

Lay-In Lug

- Used to attach ground wires to racks or cabinets
- Sold in package of 10 pcs
- Setscrews (2): ⅜"-24 Hex Head Oval Point
- Material: Aluminum - tin plated

1¼"
(31.7mm)

1.660"
(42.1mm)

.330" (8.4mm)

1½"
(38.1mm)

.630"
(16.0mm)

⁹⁄₃₂"∅ (7.1mm) (2 Holes)

Part Number	Lug Size	Wt./Pkg.	
		lbs.	(kg)
SBLL 1	2/0 - #14AWG	2.40	(1.09)

Unit Bonding Conductor

- Used to bond electronic equipment to vertical or horizontal rack mount busbars
- Sold in packages of 5 with aluminum joint compound
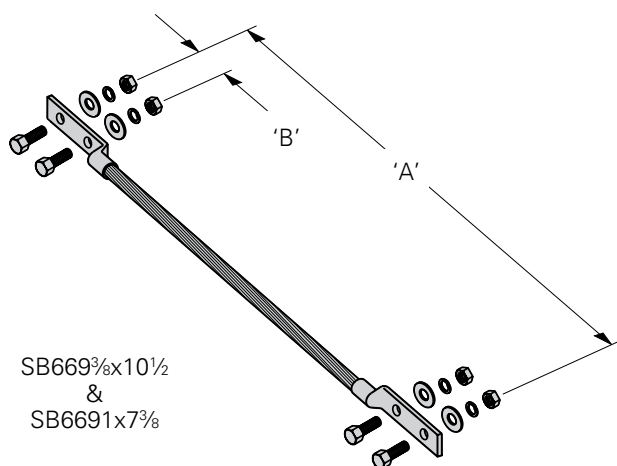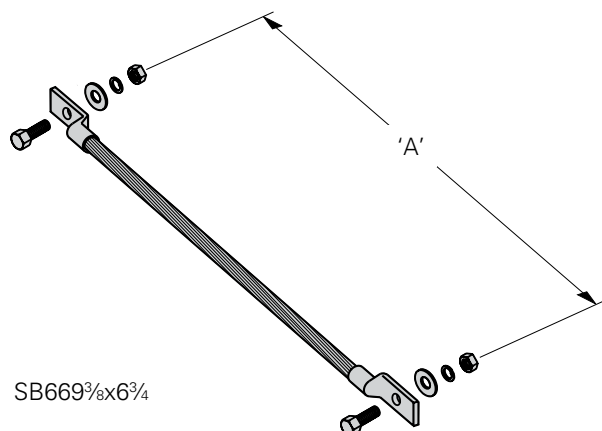- Material: Copper wire

SBUBC614K
shown

Length

#6 Compression Ring Terminal - Both Ends

#6 MTW Copper Wire with Green Insulation and Yellow Stripe

Holes for ¼" Hardware Both Ends

Part Number	Length		Wt./Ea.	
	in.	(mm)	lbs.	(kg)
SBUBC614K	14"	(355)	1.45	(0.66)
SBUBC618K	18"	(457)	1.45	(0.66)
SBUBC632K	32"	(813)	2.54	(1.15)

Grounding Accessories

Grounding Strap

- Use to provide grounding path
- SB669¾x10½ and SB6691x7¾ includes: (1) cable with crimped lugs and ¼"-20 hardware
- SB669⅜x6¾ includes: (1) cable with crimped lugs and ⅜"-16 hardware
- Material: #6 flexible tin plated copper wire

SB669⅜x6¾

SB669⅜x10½
&
SB6691x7⅜

Part Number	'A'		'B'		Wt./Ea.	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB669¾x10½	10½"	(267)	¾"	(19)	.36	(0.16)
SB6691x7¾	7¾"	(197)	1"	(25)	.27	(0.12)
SB669⅜x6¾	6¾"	(171)	N/A	(NA)	.20	(0.09)

Crimp Tool

- Used to attach ground lugs to electrical wire
- Sold per piece
- 10½" (266mm) in length

Part Number	Wt./Ea.	
	lbs.	(kg)
SBTCR	2.00	(0.91)

Dieless Compression Tool

- Used to attach ground lugs to electrical wire
- Sold per piece
- 24" (609mm) in length

Part Number	Wt./Ea.	
	lbs.	(kg)
SBTCO	5.00	(2.27)

Joint Compound
19" Panel Mounting, Customer Premise

- Improves electrical continuity at a grounding or bonding connection
- Sold in packages of 12
- ½ ounce per package

Part Number	Material	Wt./Pkg.	
		lbs.	(kg)
SBJCA	Aluminum	0.37	(0.17)
SBJCC	Copper	0.37	(0.17)