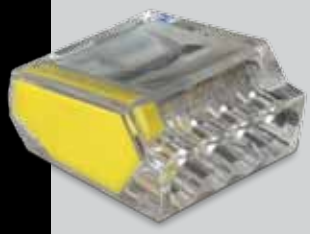


Wire Connectors

Gardner Bender™ wire connectors are engineered to exceed the expectations of professional electricians. Perfect for commercial or residential applications, GB® wire connectors offer world-class quality, performance and application versatility.



page 7



page 11



page 12



page 13

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Aluminum Mechanical Lugs....13
Aluminum Splicer-Reducers....13
Aluminum Split Bolt Connectors....12
Anti-Oxidant Compound (Ox-Gard™)....14
Copper Mechanical Lugs....13
Copper Split Bolt Connectors....12
Crimp Connectors....12
Grounding Connectors (GreenGard™)....10
Grounding Accessories....14
Hi-Temp Black Connectors....8
Multi-Range Connectors (Hex-Lok®)....9
Pigtail Connectors....11
Push-In Connectors (PushGard™)....11
Straight-Sided Connectors (WireGard™)....7
Universal Connectors (Uni-Lok®)....10
Winged Connectors (WingGard®)....8

WireGard™ Color-Coded Screw-On Wire Connectors

The industry standard twist-on connector with top quality, performance and durability.



- Color-coded for easy size selection.
- Tight, square-wire spring makes quick, secure connections for positive continuity.
- Tough, thermoplastic shell shields against environmental extremes.
- Resists chemical action from hydrocarbons, diluted acid or alkaline solutions.
- Flame-retardant properties resist heat distortion up to 105 °C (221 °F).
- High-dielectric shell features deep skirt design to prevent exposure of bare wire.
- Copper-to-copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
GB-1 (71B)		**10-001**	100/box	#22 - #16 AWG *(connections rated at 300 V Max.)*	1 #20 w/1 #22	2 #16
		12-001	25,000/bulk keg			
		12-001BU	150,000/bulk barrel			
		16-001	150/jar			
		19-001	14/card			
		25-001	25/resealable bag			
GB-2 (72B)		**10-002**	100/box	#22 - #16 AWG *(connections rated at 300 V Max.)*	3 #22	3 #16
		12-002	10,000/bulk keg			
		12-002BU	96,000/bulk barrel			
		16-002	150/jar			
		19-002	14/card			
		25-002	25/resealable bag			
GB-3 (73B)		**10-003**	100/box	#22 - #14 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	3 #20	4 #16 w/1 #20
		12-003BU	53,000/bulk barrel			
		13-003	500/bag			
		16-003	100/jar			
		16-003M	300/jar			
		17-003	50/bag			
		19-003	12/card			
		25-003	25/resealable bag			
GB-4 (74B)		**10-004**	100/box	#18 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	1 #14 w/1 #18	3 #12
		12-004BU	32,400/bulk barrel			
		13-004	500/bag			
		16-004	200/jar			
		17-004	50/bag			
		19-004	9/card			
		25-004	25/resealable bag			
GB-6 (76B)		**10-006**	100/box	#18 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	2 #14	2 #10 w/2 #12
		12-006BU	21,000/bulk barrel			
		13-006	250/bag			
		16-006	125/jar			
		17-006	50/bag			
		19-006	6/card			
		25-006	25/resealable bag			

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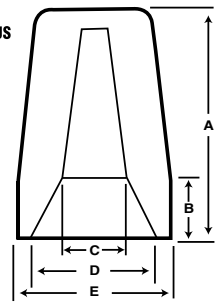

Dimensions

	A	B	C	D	E
GB-1	37/64"	11/64"	1/8"	1/4"	21/64"
GB-2	45/64"	11/64"	3/16"	5/16"	25/64"
GB-3	27/32"	21/64"	13/64"	11/32"	7/16"
GB-4	15/16"	17/64"	15/64"	7/16"	35/64"
GB-6	1 1/16"	17/64"	21/64"	17/32"	21/32"

[2] *Note: Connection rated at 600 V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs. See carton for detailed wire combination ratings or www.gardnerbender.com.*

Assortments

Part #	Pkg Qty	Description
19-AWC	9/card	2 gray, 2 orange, 3 yellow, 3 red
25-AWC	25/resealable bag	3 gray, 4 blue, 6 orange, 6 yellow, 6 red

Hi-Temp Black Connectors for Tough Environments



Connectors manufactured with high-temperature-rated plastic to withstand extreme temperatures.

- Temperature-rated to 150 °C (302 °F).
- Available in two standard models.
- Copper-to-copper connections only.

Model	(Size)	Part #	Pkg Qty	Wire Range	Min	Max
GB-3	(73B)	10-003HT	100/box	#22 - #14 AWG[1]	3 #20	4 #16 w/1 #20
		27-003	10,000/bulk keg			
GB-4	(74B)	10-004HT	100/box	#18 - #10 AWG[1]	1 #14 w/1 #18	4 #14
		27-004	10,000/bulk keg			

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[1] *Connections rated at 300 V Max. and 600 V Max.*
Note: Connection rated at 600 V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs.
See carton for detailed wire combination ratings or www.gardnerbender.com.

WingGard® Color-Coded Twist-On Wire Connectors



Unsurpassed quality and durability in a high-leverage, easy-on wing-type design.

- Wings are knurled for a sure grip and offset from centerline for greater twisting leverage.
- Square-wire plated spring instantly adjusts to the shape and size of the splice.
- Flame-retardant properties resist heat distortion up to 105 °C (221 °F).
- High-dielectric shell features deep skirt design to prevent exposure of bare wire.
- Copper-to-copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
#84™		10-084	100/box	#22 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)*	2 #22	3 #12
		12-084BU	42,000/bulk barrel			
		13-084	500/bag			
		16-084	100/jar			
		16-084M	225/jar			
		17-084	50/bag			
		19-084	6/card			
		25-084	25/resealable bag			
#86™		10-086	100/box	#22 - #6 AWG *(connections rated at 300 V Max. and 600 V Max.)*	2 #20	4 #10
		12-086BU	22,500/bulk barrel			
		13-086	500/bag			
		16-086	125/jar			
		16-086L	325/jar			
		17-086	50/bag			
		19-086	6/card			
		25-086	25/resealable bag			
#89™		10-089	50/box	#14 - #6 AWG *(connections rated at 300 V Max. and 600 V Max.)*	1 #10 w/1 #12	1 #6 Str w/2 #8 Str
		13-089	100/bag			
		19-089	2/card			
		25-089	10/resealable bag			

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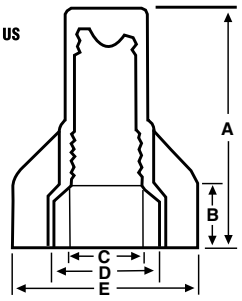


Dimensions

	A	B	C	D	E
#84™	1 1/32"	5/16"	7/32"	1/4"	23/32"
#86™	1 1/4"	5/16"	9/32"	7/16"	29/32"
#89™	1 1/2"	7/16"	3/8"	3/4"	1 1/4"

Note: Connection rated at 600 V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs.
See carton for detailed wire combination ratings or www.gardnerbender.com.

Assortments

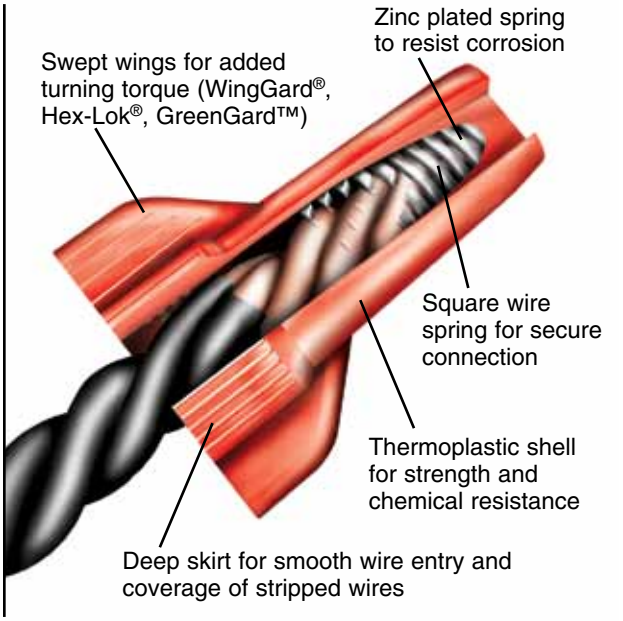
Part #	Pkg Qty	Description
16-8486	100/jar	50 red, 50 yellow
16-8486M	160/jar	80 red, 80 yellow
19-AWW	5/card	2 yellow, 2 red, 1 large gray
25-AWW	25/resealable bag	8 yellow, 8 red, 7 tan, 2 blue

Gardner Bender™ Twist-On Wire Connectors

Engineered to exceed the expectations of professional electricians.

All GB® Twist-On Wire Connectors:

- *Are designed to make wiring jobs fast, easy, safe and reliable.*
- *Provide maximum application flexibility by offering contractors myriad packaging options, ergonomic designs and wire ranges.*
- *Exceed UL standards for dielectric strength, wire pullout force and static heat resistance.*
- *Are manufactured of top-quality materials.*
- *Meet the requirements of nearly all budgets.*
- *Are continually evaluated for improvements and enhancements.*



Hex-Lok® Multi-Range Wire Connectors

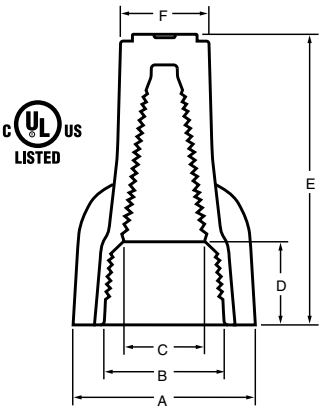
Multi-range, hex-head copper-to-copper connector covers 95% of everyday applications.

- Streamlined design for compact installations.
- Square-wire spring grabs and holds wires for secure connections.
- Long skirt covers stripped wires.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries and signs.
- Copper-to-copper connections only.



Patented

	Color	Part #	Pkg Qty	Wire Range	Min	Max
H1		**10-1H1**	100/box	#22 - #8 AWG	3 #22	3 #10
		12-1H1BU	28,000/bulk barrel			
		12-1H1BX	33,000/bulk barrel			
		13-1H1	500/bag			
		16-1H1	175/jar			
		16-1H1L	400/jar			
		17-1H1	50/bag			
		19-1H1	6/card			
		25-1H1	25/resealable bag			
H2		**10-2H2**	50/box	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		12-2H2BU	16,000/bulk barrel			
		13-2H2	250/bag			
		19-2H2	6/card			
		25-2H2	25/resealable bag			



Dimensions

	A	B	C	D	E	F
H1	47/64"	9/16"	5/16"	21/61"	1 5/32"	5/16"
H2	1"	15/32"	25/64"	13/32"	1 21/64"	7/16"

Uni-Lok® Universal Wire Connectors

Versatile and cost-effective, Uni-Lok® connectors are designed to accept a wide range of wire combinations.

- Swept mini-wings provide additional torque.
- Square-wire spring grabs and holds wires for secure connections.
- Long skirt covers stripped wires.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries and signs.
- Copper-to-copper connections only.



	Color	Part #	Pkg Qty	Wire Range	Min	Max
G1		10-1G1	100/box	#22 - #12 AWG	4 #22	3 #12
		12-1G1BU	40,000/bulk barrel			
		13-1G1	500/bag			
		19-1G1	6/card			
		25-1G1	25/resealable bag			
G2		10-2G2	100/box	#22 - #10 AWG	3 #20	5 #12
		13-2G2	500/bag			
		19-2G2	6/card			
		25-2G2	25/resealable bag			

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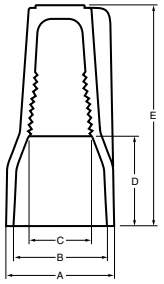


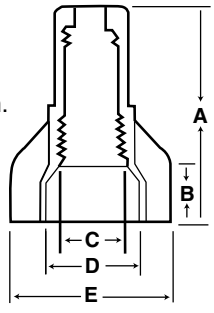
Dimensions

	A	B	C	D	E
G1	31/64"	27/64"	9/32"	13/32"	63/64"
G2	37/64"	33/64"	23/64"	27/64"	1 11/64"

GreenGard™ Grounding Wire Connectors

Specifically designed for making positive ground connections, GreenGard™ connectors feature the same live-action as GB® WingGard® connectors with the added plating protection for corrosion resistance in grounding applications.

- Easier to use — New design enables torque-up with improved grip.
- Contoured, offset wings enable firm ground connections.
- Flame retardant, thermoplastic shell resists punctures, cuts, abrasion and corrosion.
- Connectors have a hole in the tip for ground wire.
- Solid copper-to-copper connections only.



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	Color	Part #	Pkg Qty	Wire Range	Min	Max
#95™		10-095	100/box	#14 - #10 AWG *(connections rated at 600 V Max.)*	2 #14	4 #12
		13-095	500/bag			
		16-095	125/jar			
		19-095	6/card			
		25-095	25/resealable bag			

Dimensions

	A	B	C	D	E
#95™	1 1/4"	5/16"	9/32"	7/16"	29/32"

GB Gardner Bender **INNOVATION**

PushGard™ Push-in Wire Connectors



Easy and fast to use, just strip and push conductors into PushGard™ connectors to make reliable, secure connections.

- Simplified insertion and compact size helps in tight locations.
- Clear polycarbonate housings have color-coded side panels for connection verification and identification.
- With corrosion-resistant stainless steel springs, PushGard™ connectors restrict wire pullout, yet corrections are possible with a simple left-right twist and pull.
- Continuity test point for easy voltage checks.
- Available in 2-,3-,4 and 8-port configurations.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries.
- Copper-to-copper connections only.

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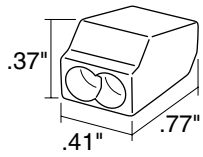
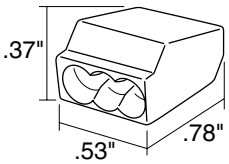
	Color	Ports	Part #	Pkg Qty	Wire Range
PC2		2	**10-PC2** **19-PC2**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC3		3	**10-PC3** **19-PC3**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC4		4	**10-PC4** **19-PC4**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC8		8	**10-PC8** **19-PC8**	50/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*

PC2



PC3



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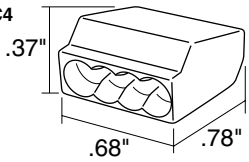
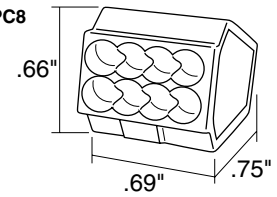


PC8



Nylon Pigtail Connectors



Closed-end crimp connector designed for use with solid or stranded wire.

- Vibration resistant.
- Tin-plated seamless copper.
- Corrosion and chemical resistant.

Part #	Pkg Qty	Wire Range	Min	Max
20-089	10/clam	#22 - #14 AWG	2 #22	1 #14 w/1 #18
15-090	15/clam	#22 - #10 AWG	3 #18	1 #10 w/1 #20
20-090	10/clam	#22 - #10 AWG	3 #18	1 #10 w/1 #20

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Crimp Connectors

Use GB® crimp connectors for strong, vibration-resistant permanent connections in branch circuit and fixture wiring.

- Two styles and sizes available.
- Copper or zinc-plated steel.



Copper

Part #	Model	Pkg Qty	Wire Range	Min	Max
10-310C	310	100/clam	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-311C	311	50/clam	#14 - #8 AWG	3 #12	4 #10

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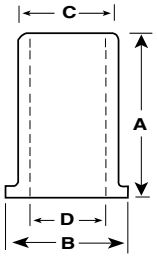


Zinc-plated Steel

Part #	Model	Pkg Qty	Wire Range	Min	Max
10-410	410	100/box	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-410C	410	100/clam			
13-410	410	500/bag			
20-410	410	12/clam			
10-411	411	50/box	#14 - #8 AWG	3 #12	4 #10
10-411C	411	50/clam			
20-411	411	8/clam			

Dimensions

Model	A	B	C	D
310/410	3/8"	19/64"	1/4"	13/64"
311/411	5/8"	23/64"	21/64"	17/64"

Copper Split Bolt Connectors

All-copper alloy construction for high mechanical strength, maximum conductivity and low resistance.

- Accept a wide range of solid and stranded conductors from 16 AWG – 3/0 AWG.
- Can be torqued with standard wrenches.



Part #	Pkg Qty	Wire Gauge
GSBC-8	2/clam	#16 - #10 AWG Stranded, #16 - #8 AWG Solid
GSBC-6	2/clam	#10 AWG Stranded, #10 - #8 AWG Solid
GSBC-4	2/clam	#8 - #4 AWG Solid
GSBC-2	2/clam	#6 - #2 AWG Solid

Part #	Pkg Qty	Wire Gauge
GSBC-1/0	1/clam	#4 - #0 AWG Solid
GSBC-2/0	1/clam	#2 - #00 AWG Solid
GSBC-3/0	1/clam	#2 - #000 AWG Solid

Aluminum Split Bolt Connectors

Constructed of high-strength aluminum with oxide-displacing jaws to prevent galvanic corrosion.

- Accept conductors from 10 AWG – 4/0 AWG.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.



Part #	Pkg Qty	Wire Gauge
GAK-2	1/clam	#8 - #2 AWG Solid
GAK-1/0	1/clam	#8 - #0 AWG Solid
GAK-2/0	1/clam	#10 AWG Stranded, #10 - #00 AWG Solid
GAK-4/0	1/clam	#6 - #0000 AWG Solid

Aluminum Mechanical Lugs



- Feature high-strength, low-resistance aluminum construction.
- Accepts conductors from 14 AWG - 2/0 AWG.
- For 3/8" stud.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

1 Conductor

Part #	Pkg Qty	Wire Gauge
GTA-2	2/clam	#14 - #10 AWG Stranded, #14 - #2 AWG Solid
GTA-2/0	2/clam	#14 - #10 AWG Stranded, #14 - #00 AWG Solid

Copper Mechanical Lugs



Provide maximum mechanical strength and minimum resistance.

- All-copper alloy construction features a compact design that is reusable.
- Accept a wide range of solid and stranded conductors from 14 AWG – 0 AWG.
- For 3/8" stud.

Part #	Pkg Qty	Wire Gauge
GSLU-25	2/clam	#14 - #10 AWG Stranded
GSLU-35	2/clam	#14 - #10 AWG Stranded, #14 - #6 AWG Solid

Part #	Pkg Qty	Wire Gauge
GSLU-70	2/clam	#8 - #2 AWG Solid
GSLU-125	2/clam	#6 - #0 AWG Solid

Aluminum Splicer-Reducers



Designed to splice similar-gauge conductors or reduce the gauge from a larger wire diameter to a smaller one.

- Galvanic corrosion is limited by an internal wire stop, preventing direct contact of dissimilar metals inside.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

Part #	Pkg Qty	Wire Gauge
GSPA-2	2/clam	#14 - #10 AWG Stranded, #14 - #2 AWG Solid
GSPA-0	1/clam	#14 - #10 AWG Stranded, #14 - #0 AWG Solid
GSPA-4/0	1/clam	#6 - #0000 AWG Solid

SEE PG 14



FOR MORE INFO ON Ox-Gard™

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Copper Lugs



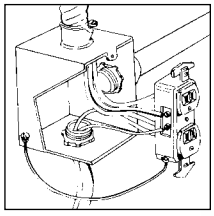
Heavy-duty lugs made from pure copper for maximum current flow.

- Tinned for corrosion resistance.
- Seamless barrel for maximum strength.
- Closed ends seal out moisture.

Part #	Pkg Qty	Wire Gauge	Stud Size
AML-200	2/clam	#6 AWG	1/4"
AML-201	2/clam	#6 AWG	5/16"
AML-202	2/clam	#6 AWG	3/8"
AML-203	2/clam	#4 AWG	5/16"
AML-204	2/clam	#4 AWG	3/8"

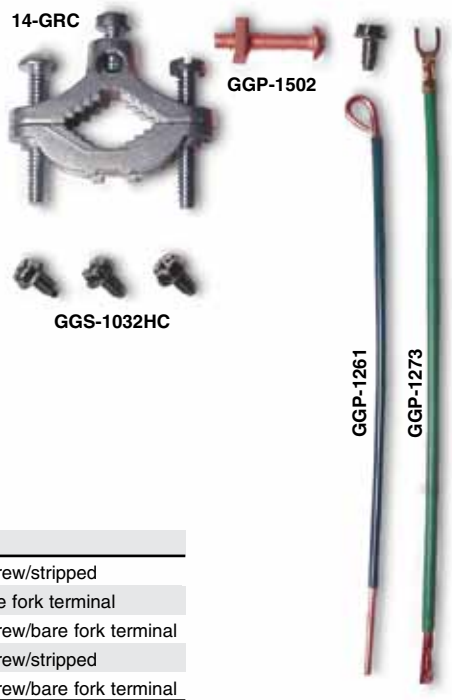
Part #	Pkg Qty	Wire Gauge	Stud Size
AML-205	2/clam	#2 AWG	5/16"
AML-206	2/clam	#2 AWG	3/8"
AML-207	2/clam	#1/0 AWG	3/8"
AML-208	2/clam	#2/0 AWG	3/8"

Grounding Accessories



Convenient grounding accessories include products suitable for most job requirements.

- Zinc-plated grounding clips provide positive grounding to switch, outlet or junction boxes for #10, 12, 14 AWG copper grounding wire.
- Hex-head grounding screws secure ground wires to circuit box.
- Grounding clamps listed for direct burial and connection of ground wire to ground rod.



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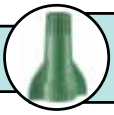

FOR MORE INFO ON Grounding Wire Connector

Part #	Pkg Qty	Description	Length	Ends
GGP-1261	25/bag	Grounding Pigtail; #12 AWG Solid	6½"	Captured screw/stripped
GGP-1273	25/bag	Grounding Pigtail; #12 AWG Str	7"	Stripped/bare fork terminal
GGP-1282	25/bag	Grounding Pigtail; #12 AWG Str	8"	Captured screw/bare fork terminal
GGP-1461	25/bag	Grounding Pigtail; #14 AWG Solid	6½"	Captured screw/stripped
GGP-1502	2/card	Grounding Pigtail; #12 AWG Solid	8"	Captured screw/bare fork terminal
14-GRC	1/card	Grounding Clamp for ½" - 1" pipe		
GGC-1508	8/card	Grounding Clip for Aluminum or Copper; Grounding wire; Zinc plated		
GGS-1032HC	100/clam	Hex-Head Ground Screw		
GGS-1512R	12/card	Green Round Washer Head Screw for Switch and Outlet Boxes		

Ox-Gard™ Anti-Oxidant Compound



The perfect safeguard for aluminum-to-aluminum, aluminum-to-copper wire connections and aluminum conduit joints.

- Guards against oxidation.
- Improves conductivity; penetrates aluminum oxide to maintain inter-strand and inter-conductor current paths.
- Produces a cooler connection.

Part #	Pkg Qty	Description
OX-100	1/tube	1 oz Squeeze Tube
OX-100B	1/tube	1 oz Squeeze Tube (blister pack)
OX-400	1/tube	4 oz Squeeze Tube
OX-800	1/tube	8 oz Squeeze Tube