

# Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit & IMC

## Type ABLG & Type RBLG

### Copper Plus™ Lay-In-Lug™

#### Use:

To provide a compact means of grounding conduit through an Insulated Bushing.  
To protect insulated conductors from abrasion during pulling and mechanical vibration.  
To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

#### Features:

- Tin plated copper saddle for use with copper or aluminum conductors from #8 to 4/0.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

#### Material/Finish:

Type ABLG Aluminum Bushing with Stainless Steel screws  
Type RBLG Bronze Bushing with Stainless Steel screws

#### Options:

Type ABLG grounding bushings are also available for threadless conduit in bronze and/or aluminum. Specify: Type RSBLG for bronze bushings or Type ASBLG for aluminum bushings. Contact your local representative for pricing and availability.

#### Third Party Certification:



UL Listed: E-24264



CSA Certified: 015978

#### Applicable Third Party Standards:

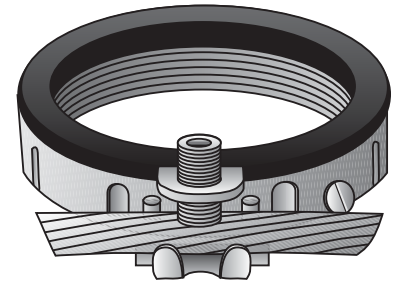
UL Standard: 514B, 467  
CSA Standard: C22.2 No. 41  
Fed. Spec: W-F-408E  
NEMA: FB-1

#### Suggested Specifications:

O-Z/Gedney Type BLG insulated Lay-In-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and bushings shall have integrally molded noncombustible phenolic insulated surfaces rated 150°C.

#### Notes:

1 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on Page DB1.



**Type ABLG  
Threaded**

PATENTED

Trade Size (inches)	Copper Free Aluminum Catalog Number	Bronze Catalog Number	Grounding Wire Size*		Dimensions in Inches		
			Min.	Max.	Max. Dia. without lug	Max. Ht.	Turning Radius with lug
1/2	ABLG-0504	RBLG-0504	14	4	1 1/8	1/2	1 1/8
1/2	ABLG-0522	RBLG-0522	8	2/0	1 1/8	1/2	1 1/2
3/4	ABLG-0704	RBLG-0704	14	4	1 3/8	5/8	1 1/4
3/4	ABLG-0722	RBLG-0722	8	2/0	1 3/8	5/8	1 1/2
1	ABLG-1104	RBLG-1104	14	4	1 3/4	3/4	1 3/8
1	ABLG-1122	RBLG-1122	8	2/0	1 3/4	3/4	1 3/8
1 1/4	ABLG-1204	RBLG-1204	14	4	2	3/4	1 1/2
1 1/4	ABLG-1222	RBLG-1222	8	2/0	2	3/4	1 3/4
1 1/2	ABLG-1504	RBLG-1504	14	4	2 1/4	3/4	1 3/8
1 1/2	ABLG-1522	RBLG-1522	8	2/0	2 1/4	3/4	1 3/8
2	ABLG-2004	RBLG-2004	14	4	2 3/4	7/8	2
2	ABLG-2022	RBLG-2022	8	2/0	2 3/4	7/8	2 1/4
2 1/2	ABLG-2604	RBLG-2604	14	4	3 1/4	1	2 3/8
2 1/2	ABLG-2622	RBLG-2622	8	2/0	3 1/4	1	2 1/2
2 1/2	ABLG-2624	RBLG-2624	6	4/0	3 1/4	1	2 3/4
2 1/2	--	RBLG-2650	250	500	3 1/4	1	3 1/16
3	ABLG-3104	RBLG-3104	14	4	4	1	2 1/2
3	ABLG-3122	RBLG-3122	8	2/0	4	1	2 3/4
3	ABLG-3124	RBLG-3124	6	4/0	4	1	3 3/8
3	--	RBLG-3150	250	500	4	1	3 3/4
3 1/2	ABLG-3604	RBLG-3604	14	4	4 1/2	1	2 3/4
3 1/2	ABLG-3622	RBLG-3622	8	2/0	4 1/2	1	3
3 1/2	ABLG-3624	RBLG-3624	6	4/0	4 1/2	1	3 3/8
3 1/2	--	RBLG-3650	250	500	4 1/2	1	4
4	ABLG-4104	RBLG-4104	14	4	5	1 1/8	3
4	ABLG-4122	RBLG-4122	8	2/0	5	1 1/8	3 3/8
4	ABLG-4124	RBLG-4124	6	4/0	5	1 1/8	3 3/4
4	--	RBLG-4150	250	500	5	1 1/8	4 1/4
5	ABLG-5104	RBLG-5104	14	4	6 1/4	1 1/4	3 3/4
5	ABLG-5122	RBLG-5122	8	2/0	6 1/4	1 1/4	4
5	ABLG-5124	RBLG-5124	6	4/0	6 1/4	1 1/4	4 1/4
5	--	RBLG-5150	250	500	6 1/4	1 1/4	5
6	ABLG-6104	RBLG-6104	14	4	7 3/8	1 3/8	4 1/4
6	ABLG-6122	RBLG-6122	8	2/0	7 3/8	1 3/8	4 1/2
6	ABLG-6124	RBLG-6124	6	4/0	7 3/8	1 3/8	4 3/4
6	--	RBLG-6150	250	500	7 3/8	1 3/8	5 1/16

\*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 mcm lug.

# Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit & IMC

## Type ABLG & Type RBLG

### Copper Plus™ Lay-In-Lug™

#### Use:

To provide a compact means of grounding conduit through an Insulated Bushing.  
To protect insulated conductors from abrasion during pulling and mechanical vibration.  
To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

#### Features:

- Tin plated copper saddle for use with copper or aluminum conductors from #8 to 4/0.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

#### Material/Finish:

Type ABLG Aluminum Bushing with Stainless Steel screws  
Type RBLG Bronze Bushing with Stainless Steel screws

#### Options:

Type ABLG grounding bushings are also available for threadless conduit in bronze and/or aluminum. Specify: Type RSBLG for bronze bushings or Type ASBLG for aluminum bushings. Contact your local representative for pricing and availability.

#### Third Party Certification:



UL Listed: E-24264



CSA Certified: 015978

#### Applicable Third Party Standards:

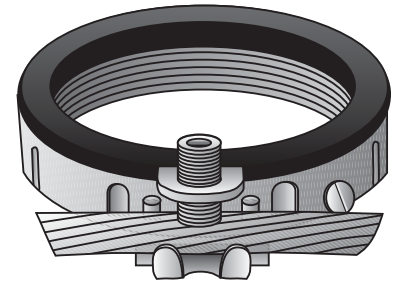
UL Standard: 514B, 467  
CSA Standard: C22.2 No. 41  
Fed. Spec: W-F-408E  
NEMA: FB-1

#### Suggested Specifications:

O-Z/Gedney Type BLG insulated Lay-In-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and bushings shall have integrally molded noncombustible phenolic insulated surfaces rated 150°C.

#### Notes:

1 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on Page DB1.



**Type ABLG  
Threaded**

PATENTED

Trade Size (inches)	Copper Free Aluminum Catalog Number	Bronze Catalog Number	Grounding Wire Size* Min. Max.	Dimensions in Inches		
				Max. Dia. without lug	Max. Ht.	Turning Radius with lug
1/2	ABLG-0504	RBLG-0504	14 4	1 1/8	1/2	1 1/8
1/2	ABLG-0522	RBLG-0522	8 2/0	1 1/8	1/2	1 1/2
3/4	ABLG-0704	RBLG-0704	14 4	1 3/8	5/8	1 1/4
3/4	ABLG-0722	RBLG-0722	8 2/0	1 3/8	5/8	1 1/2
1	ABLG-1104	RBLG-1104	14 4	1 3/8	3/4	1 3/8
1	ABLG-1122	RBLG-1122	8 2/0	1 3/8	3/4	1 3/8
1 1/4	ABLG-1204	RBLG-1204	14 4	2	3/4	1 1/2
1 1/4	ABLG-1222	RBLG-1222	8 2/0	2	3/4	1 3/4
1 1/2	ABLG-1504	RBLG-1504	14 4	2 1/4	3/4	1 3/8
1 1/2	ABLG-1522	RBLG-1522	8 2/0	2 1/4	3/4	1 3/8
2	ABLG-2004	RBLG-2004	14 4	2 3/4	7/8	2
2	ABLG-2022	RBLG-2022	8 2/0	2 3/4	7/8	2 1/4
2 1/2	ABLG-2604	RBLG-2604	14 4	3 3/4	1	2 3/8
2 1/2	ABLG-2622	RBLG-2622	8 2/0	3 3/4	1	2 1/2
2 1/2	ABLG-2624	RBLG-2624	6 4/0	3 3/4	1	2 3/4
2 1/2	--	RBLG-2650	250 500	3 3/4	1	3 1/16
3	ABLG-3104	RBLG-3104	14 4	4	1	2 1/2
3	ABLG-3122	RBLG-3122	8 2/0	4	1	2 3/4
3	ABLG-3124	RBLG-3124	6 4/0	4	1	3 3/8
3	--	RBLG-3150	250 500	4	1	3 3/4
3 1/2	ABLG-3604	RBLG-3604	14 4	4 1/2	1	2 3/4
3 1/2	ABLG-3622	RBLG-3622	8 2/0	4 1/2	1	3
3 1/2	ABLG-3624	RBLG-3624	6 4/0	4 1/2	1	3 3/8
3 1/2	--	RBLG-3650	250 500	4 1/2	1	4
4	ABLG-4104	RBLG-4104	14 4	5	1 1/8	3
4	ABLG-4122	RBLG-4122	8 2/0	5	1 1/8	3 3/8
4	ABLG-4124	RBLG-4124	6 4/0	5	1 1/8	3 3/8
4	--	RBLG-4150	250 500	5	1 1/8	4 1/4
5	ABLG-5104	RBLG-5104	14 4	6 1/4	1 1/4	3 3/4
5	ABLG-5122	RBLG-5122	8 2/0	6 1/4	1 1/4	4
5	ABLG-5124	RBLG-5124	6 4/0	6 1/4	1 1/4	4 1/4
5	--	RBLG-5150	250 500	6 1/4	1 1/4	5
6	ABLG-6104	RBLG-6104	14 4	7 3/8	1 3/8	4 1/4
6	ABLG-6122	RBLG-6122	8 2/0	7 3/8	1 3/8	4 1/2
6	ABLG-6124	RBLG-6124	6 4/0	7 3/8	1 3/8	4 3/8
6	--	RBLG-6150	250 500	7 3/8	1 3/8	5 1/16

\*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 mcm lug.