

# 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:

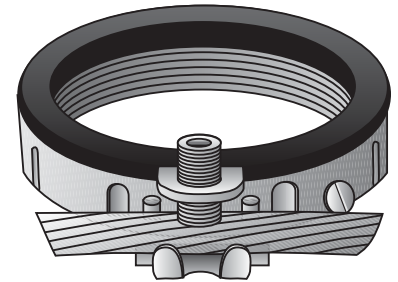
UL Standard: 514B, 467  
CSA Standard: C22.2 No. 41  
Fed. Spec: W-F-408E  
NEMA: FB-1

#### 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<br>(inches) | Copper Free<br>Aluminum<br>Catalog<br>Number | Bronze<br>Catalog<br>Number | Grounding<br>Wire Size*<br>Min. Max. | Dimensions in Inches        |             |                               |
|------------------------|--|-----------------------------|--------------------------------------|-----------------------------|-------------|-------------------------------|
|                        |  |                             |                                      | Max.<br>Dia.<br>without lug | Max.<br>Ht. | Turning<br>Radius<br>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.

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|------------------------|--|-----------------------------|--------------------------------------|-----------------------------|-------------|-------------------------------|
|                        |  |                             |                                      | Max.<br>Dia.<br>without lug | Max.<br>Ht. | Turning<br>Radius<br>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 3/4                         |
| 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.