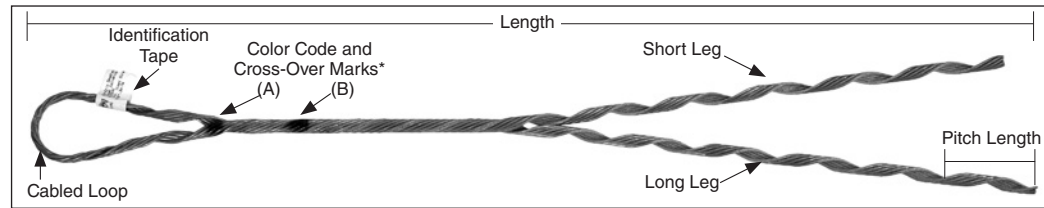




# GUY-GRIP® Dead-end

## NOMENCLATURE



### Cross-over Marks\*:

- (A) – Indicate starting point for application on smaller diameter fittings described on the reverse side of this page.
- (B) – Indicates alternate starting point for application on larger diameter fittings described on the reverse side of this page.

**Cabled Loop:** Furnished as standard, all sizes.

**Pitch Length:** One complete wrap.

**Color Code and Length:** Assist in identification of strand size, corresponding to tabular information appearing on catalog pages.

**Identification Tape:** Shows catalog number, nominal sizes.

**Short Leg-Long Leg:** Identifies rods belonging to each leg, after application. During application, the short leg should be applied first.

## GENERAL INFORMATION

GUY-GRIP Dead-ends are intended for use on single wood poles associated with distribution construction. GUY-GRIP Dead-ends were not designed or tested for use on overhead shield wires and not intended for that application. Refer to Big-Grip Dead-end, an alternate product recommended for guying transmission construction, or tower and antenna applications.

Refer to the Installation Tools section for the PLP® Pulling Eye, designed to assist application at the anchor.

**RATED HOLDING STRENGTH:** GUY-GRIP Dead-ends are rated at 100% of the strand's published rated breaking strength.

**MATERIAL SELECTION:** GUY-GRIP Dead-ends are made of the same basic material as the strand to which they are applied. This pertains to galvanized, Mischmetal Alloy (AL/ZN), \*Copperweld®, Aluminum clad steel, stainless Type 302, and stainless Type 316. Any of these materials can be selected from the catalog tables. The recommended types of strand are also indicated.

**TAPPING:** GUY-GRIP Dead-ends are mechanical devices not designed as current transfer connectors. Consequently, tapping is not recommended over or through the GUY-GRIP Dead-end.

**APPLICATION-INSPECTION:** Within the first 3 months after initial application, GUY-GRIP Dead-ends may be removed and reapplied two times after initial application for the purpose of retensioning the guy. After 3 months a new Dead-end should be used any time removal is required.

GUY-GRIP Dead-ends should be used on hardware that is held in a fixed position; the fitting should not be allowed to rotate or spin about the axis of the strand. **They should not be used as tools; that is, come-alongs, pulling-in grips, etc.**

Lay direction of both the GUY-GRIP Dead-ends and the strand should be the same. Most strand is left-hand lay.

**STRAND TAIL:** For appearance and safety the strand tail should be cut as close as convenient to the crossover mark and buried inside the crossover mark if possible. If desired, the strand tail can, instead, extend through the loop for grounding purposes. Any tail over 2" or 3" should be restrained and not permitted to rotate during loading of the guy.

## SAFETY CONSIDERATIONS

1. This product is intended for a single (one-time, permanent) use and for the specified application, although it may be reapplied twice for retensioning within 90 days of initial installation. **CAUTION: DO NOT MODIFY OR REUSE THIS PRODUCT AFTER 90 DAYS UNDER ANY CIRCUMSTANCES.**
2. This product **SHOULD NOT** be used as a tool; that is, as a come-along, pulling in grips, temporary bracing, etc.
3. This product is intended for use by trained crafts people only. This product **SHOULD NOT BE USED** by anyone who is not familiar with and trained in the use of it.

4. When working in the area of energized lines with this product, **EXTRA CARE** should be taken to prevent accidental electrical contact.

5. For **PROPER PERFORMANCE AND PERSONAL SAFETY** be sure to select the proper size GUY-GRIP Dead-end before application.

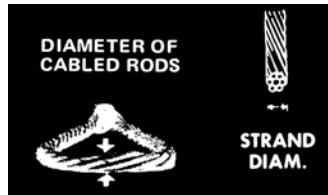
6. GUY-GRIP Dead-ends are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.

\*Copperweld® is a registered trademark of the Copperweld Co.

# GUY-GRIP® Dead-end

## HARDWARE CONSIDERATIONS

**CABLED LOOP:** Anchor eyes and other fittings need groove diameters only slightly larger than the strand because the diameter of the cabled rods of GUY-GRIP Dead-ends approximates strand diameter. Cabled loops are designed for a variety of fittings with dimensions shown in the table below.



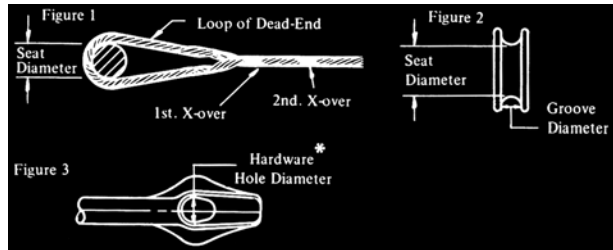
### Suggested hardware dimensions for cabled-loop GUY-GRIP Dead-ends

| Dead-end Diameter Range (Inches) |      | Nominal Strand Sizes |                     | Seat Dimensions (Figures 1 & 2) (Inches) |   |  | Minimum Groove Diameter (in.) (fig. 2) | Minimum Hole Diameter* (in.) (fig. 3) |
|----------------------------------|------|----------------------|---------------------|--|---|--|--|---------------------------------------|
| Min.                             | Max. | Galvanized Steel     | Aluminum-clad Steel | Min. seat dia. at first cross-over mark  | Max. seat dia. at first cross-over mark | Max. seat dia. at second cross-over mark |  |                                       |
| .123                             | .143 | 1/8                  | —                   | 3/4                                      | 1-3/4                                   | —  | 3/16                                   | 1/4                                   |
| .144                             | .173 | 5/32                 | —                   | 3/4                                      | 1-3/4                                   | 2-1/2                                    | 1/4                                    | 5/16                                  |
| .174                             | .203 | 3/16                 | —                   | 1-0                                      | 1-3/4                                   | 2-1/2                                    | 1/4                                    | 3/8                                   |
| .204                             | .230 | 7/32                 | 3 #10, 4M3          | 1-1/8                                    | 1-3/4                                   | 2-1/2                                    | 5/16                                   | 3/8                                   |
| .231                             | .259 | 1/4                  | 7 #12, 6M           | 1-1/8                                    | 1-3/4                                   | 2-1/2                                    | 5/16                                   | 7/16                                  |
| .260                             | .291 | 9/32                 | 7 #11, 8M           | 1-1/8                                    | 1-3/4                                   | 2-1/2                                    | 3/8                                    | 1/2                                   |
| .292                             | .336 | 5/16                 | 7 #10, 10M          | 1-1/4                                    | 1-3/4                                   | 2-1/2                                    | 3/8                                    | 9/16                                  |
| .337                             | .394 | 3/8                  | 7 #8, 14M, 16M      | 1-3/8                                    | 1-3/4                                   | 2-1/2                                    | 7/16                                   | 5/8                                   |
| .395                             | .474 | 7/16                 | 7 #7, 18M, 20M      | 1-3/8                                    | 2-3/8                                   | —  | 1/2                                    | 11/16                                 |
| .475                             | .515 | **                   | 7 #6                | 1-3/8                                    | 2-3/8                                   | —  | 9/16                                   | 3/4                                   |
| .516                             | .570 | **                   | 7 #5, 25M           | 1-1/2                                    | 2-5/8                                   | —  | 5/8                                    | 15/16                                 |

\* Depending on geometric shape of the hole, a hole diameter less than specified may be acceptable.

\*\* Use Big-Grip Dead-ends.

† Guying of transmission structures and metal towers require Big-Grip Dead-ends, VARI-GRIP™ Dead-ends.



| Acceptable Fittings |   |                      |  |
|---------------------|---|----------------------|--|
| <p>Anchor Rods</p>  | <p>Thimble Eye-Bolts, -Eyenuts &amp; Eyes</p> | <p>Pole Fittings</p> | <p>Guy-Strain Insulators</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">                     ANSI<br/>                     54-1<br/>                     54-2<br/>                     54-3<br/>                     54-4                 </div> |

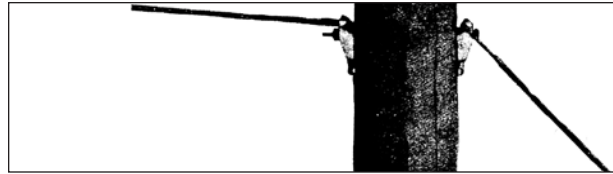
**CAUTION:**  
Hardware of this type is not normally acceptable because fatigue life of GUY-GRIP Dead-ends could be substantially reduced.

Heavy-Duty-Type Cable Thimbles, if used, can collapse when guy tensions are high. If thimbles are used in the loop of the GUY-GRIP Dead-end, a large pin is recommended to fill the loop of the thimble to prevent distortion. The collapsing strength of the thimble and the proper pin size should be obtained from the thimble manufacturer.



# GUY-GRIP® Dead-end: Galvanized Steel

**For use on:  
Extra High Strength, High Strength,  
Siemens Martin, Utilities Grade<sup>3</sup>**



| B-Coat         |               |                |                        |                  |                     |                 |            |
|----------------|---------------|----------------|------------------------|------------------|---------------------|-----------------|------------|
| Catalog Number | Strand        |                |                        | Units per carton | Wt./Lbs. per carton | Length (Inches) | Color Code |
|                | Size (Inches) | Construction   | Mean Diameter (Inches) |                  |                     |                 |            |
| GDE-1102       | 3/16          | 7W<br>7W       | .186<br>.195           | 100              | 30                  | 20              | Red        |
| GDE-1103       | 7/32          | 7W             | .216                   | 50               | 19                  | 24              | Green      |
| GDE-1104       | 1/4           | 3W<br>7W       | .259<br>.240           | 50               | 24                  | 25              | Yellow     |
| GDE-1105       | 9/32          | 7W             | .279                   | 50               | 26                  | 28              | Blue       |
| GDE-1106       | 5/16          | 3W<br>7W<br>7W | .312<br>.312<br>.327   | 50               | 39                  | 31              | Black      |
| GDE-1107       | 3/8           | 3W<br>7W       | .356<br>.360           | 50               | 51                  | 35              | Orange     |
| GDE-1108       | 7/16          | 7W             | .435                   | 25               | 40                  | 38              | Green      |

| C-Coat         |               |                |                        |                  |                     |                 |            |
|----------------|---------------|----------------|------------------------|------------------|---------------------|-----------------|------------|
| Catalog Number | Strand        |                |                        | Units per carton | Wt./Lbs. per carton | Length (Inches) | Color Code |
|                | Size (Inches) | Construction   | Mean Diameter (Inches) |                  |                     |                 |            |
| GDE-2102       | 3/16          | 7W<br>7W       | .186<br>.195           | 100              | 30                  | 20              | Red        |
| GDE-2103       | 7/32          | 7W             | .216                   | 50               | 19                  | 24              | Green      |
| GDE-2104       | 1/4           | 3W<br>7W       | .259<br>.240           | 50               | 24                  | 25              | Yellow     |
| GDE-2105       | 9/32          | 7W             | .279                   | 50               | 26                  | 28              | Blue       |
| GDE-2106       | 5/16          | 3W<br>7W<br>7W | .312<br>.312<br>.327   | 50               | 39                  | 31              | Black      |
| GDE-2107       | 3/8           | 3W<br>7W       | .356<br>.360           | 50               | 51                  | 35              | Orange     |
| GDE-2108       | 7/16          | 7W             | .435                   | 25               | 40                  | 38              | Green      |

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard, all sizes.
- (3) Rated holding strength is 100% of published rating for all grades of galvanized strand.
- (4) Consult PLP for sizes and stranding not shown.

# GUY-GRIP® Dead-End: Mischmetal Alloy (AL/ZN)

**For use on:  
Mischmetal Alloy Strand<sup>2</sup>**

| Catalog Number | Strand        |                |                        | Units per carton | Weight (Lbs) per carton | Length (Inches) | Color Code |
|----------------|---------------|----------------|------------------------|------------------|-------------------------|-----------------|------------|
|                | Size (Inches) | Construction   | Mean Diameter (Inches) |                  |                         |                 |            |
| BDE-9102       | 3/16          | 7W<br>7W       | .186<br>.195           | 100              | 30                      | 20              | Red        |
| BDE-9104       | 1/4           | 3W<br>7W       | .259<br>.240           | 50               | 24                      | 25              | Yellow     |
| BDE-9106       | 5/16          | 3W<br>7W<br>7W | .312<br>.312<br>.327   | 50               | 39                      | 31              | Black      |
| BDE-9107       | 3/8           | 3W<br>7W       | .356<br>.360           | 50               | 51                      | 35              | Orange     |
| BDE-9108       | 7/16          | 7W             | .435                   | 25               | 41                      | 38              | Green      |

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Rating holding strength is 100% of the published rating for the strand.
- (3) PLP mischmetal formed wire products are acceptable for use with Bezinal® and Galfan® coated strands. Bezinal® is a registered trademark of the Bekaert Corporation. Galfan® is a registered trademark of the Galfan Technology Centre, LLC.



# GUY-GRIP® Dead-end

**For use on:  
Aluminum Clad Steel Strand<sup>3</sup>**



| Catalog Number | Mean Diameter (Inches) | Nominal Strand Size              | Units per carton | Wt./lbs. per carton | Length (Inches) | Color Code |
|----------------|------------------------|----------------------------------|------------------|---------------------|-----------------|------------|
| AWDE-4102      | .174                   | 3 # 12                           | 100              | 21                  | 18              | Orange     |
| AWDE-4108      | .220<br>.220           | 4M<br>3 # 10                     | 50               | 20                  | 21              | Green      |
| AWDE-4110      | .247<br>.242           | 3 # 9<br>6M                      | 50               | 20                  | 24              | Yellow     |
| AWDE-4113      | .277<br>.272           | 3 # 8<br>8M                      | 50               | 22                  | 24              | Blue       |
| AWDE-4116      | .311<br>.306<br>.306   | 3 # 7<br>10M<br>5/16" - 7 # 10   | 50               | 29                  | 26              | Black      |
| AWDE-4118      | .330                   | 11.5M                            | 50               | 30                  | 26              | Green      |
| AWDE-4119      | .349<br>.343<br>.343   | 3 # 6<br>12.5M<br>11/32" - 7 # 9 | 50               | 41                  | 29              | Yellow     |
| AWDE-4120      | .363                   | 14M                              | 50               | 53                  | 31              | Blue       |
| AWDE-4122      | .392<br>.385<br>.386   | 3 # 5<br>3/8" - 7 # 8<br>16M     | 50               | 55                  | 32              | Orange     |
| AWDE-4124      | .417                   | 18M                              | 25               | 37                  | 34              | Black      |
| AWDE-4125      | .433                   | 7/16" - 7 # 7                    | 25               | 40                  | 36              | Green      |
| AWDE-4126      | .444                   | 20M                              | 10               | 22                  | 37              | Yellow     |
| AWDE-4128      | .486                   | 1/2" - 7 # 6                     | 10               | 23                  | 39              | Blue       |
| AWDE-4130      | .519                   | 25M                              | 10               | 31                  | 43              | Red        |
| AWDE-4131      | .546                   | 7 # 5                            | 10               | 32                  | 44              | Yellow     |

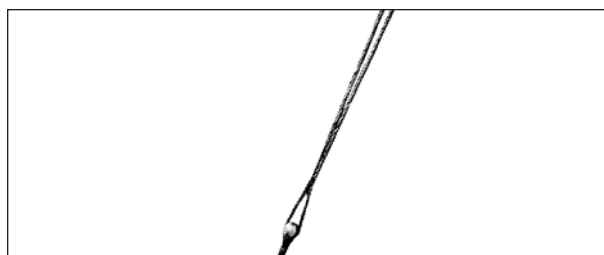
Left-Hand Lay standard

**EXPLANATORY NOTES:**

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard, all sizes.
- (3) Rated holding strength is 100% of all grades of aluminum clad steel strand.
- (4) Rated holding strength is 100% of the published rating for the strand.
- (5) Consult PLP for sizes and stranding not shown.

# GUY-GRIP® Dead-end: Aluminized

For use on:  
Aluminized Strand<sup>4</sup>



| Catalog Number | Strand        |                |                        | Units per carton | Wt./lbs. per carton | Length (Inches) | Color Code |
|----------------|---------------|----------------|------------------------|------------------|---------------------|-----------------|------------|
|                | Size (Inches) | Construction   | Mean Diameter (Inches) |                  |                     |                 |            |
| AZDE-7100      | 3/16          | 7W<br>7W       | .186<br>.195           | 100              | 25                  | 18              | Red        |
| AZDE-7102      | 1/4           | 3W<br>7W       | .259<br>.240           | 50               | 22                  | 23              | Yellow     |
| AZDE-7103      | 9/32          | 7W             | .279                   | 50               | 27                  | 24              | Blue       |
| AZDE-7104      | 5/16          | 3W<br>7W<br>7W | .312<br>.312<br>.327   | 50               | 37                  | 27              | Black      |
| AZDE-7106      | 3/8           | 3W<br>7W       | .356<br>.360           | 50               | 63                  | 32              | Orange     |
| AZDE-7107      | 7/16          | 7W             | .435                   | 25               | 45                  | 34              | Green      |

Left-Hand Lay standard

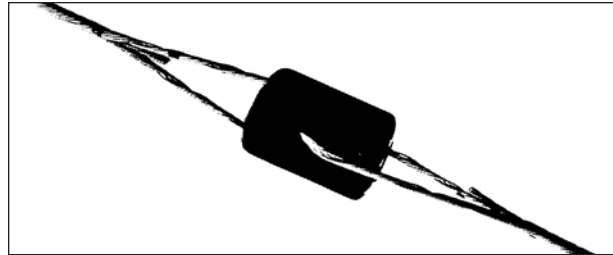
**EXPLANATORY NOTES:**

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard, all sizes.
- (3) Refer to General Information for material selection.
- (4) Rated holding strength is 100% of all grades of aluminized strand.
- (5) Consult PLP for sizes and stranding not shown.



# GUY-GRIP® Dead-end: Copperweld®

**For use on:  
Copperweld Strand<sup>4</sup>**



| Catalog Number | Mean Diameter (Inches) | Nominal Strand Size              | Units | Wt./lbs | Length (Inches) | Color Code |
|----------------|------------------------|----------------------------------|-------|---------|-----------------|------------|
| CDE-8100       | .164                   | 2.2M                             | 100   | 19      | 17              | Orange     |
| CDE-8102       | .174                   | 3 # 12                           | 100   | 24      | 17              | Red        |
| CDE-8106       | .209                   | 4M                               | 100   | 32      | 18              | White      |
| CDE-3101       | .220                   | 3 # 10                           | 100   | 44      | 20              | Green      |
| CDE-3103       | .247<br>.237           | 3 # 9 6M                         | 50    | 24      | 21              | Yellow     |
| CDE-3104       | .258                   | 6M3                              | 50    | 25      | 22              | White      |
| CDE-3106       | .276<br>.277           | 8M 3 # 8                         | 50    | 26      | 23              | Blue       |
| CDE-3109       | .303<br>.306<br>.311   | 10M<br>7 # 10 - 5/16"<br>3 # 7   | 50    | 34      | 25              | Red        |
| CDE-3112       | .343<br>.345<br>.349   | 7 # 9 - 11/32"<br>12.5M<br>3 # 6 | 50    | 46      | 27              | Green      |
| CDE-3113       | .360                   | 14M                              | 50    | 64      | 30              | Blue       |
| CDE-3115       | .385<br>.386<br>.392   | 7 # 8 - 3/8" 16M<br>3 # 5        | 50    | 65      | 31              | White      |
| CDE-3117       | .414                   | 18M                              | 25    | 46      | 34              | Orange     |
| CDE-3118       | .438<br>.433           | 20M<br>7 # 7 - 7/16"             | 25    | 47      | 35              | Yellow     |
| CDE-3121       | .486                   | 7 # 6 - 1/2"                     | 25    | 65      | 39              | Blue       |
| CDE-3123       | .525                   | 25M                              | 10    | 37      | 43              | Green      |
| CDE-3124       | .546                   | 7 # 5 - 9/16"                    | 10    | 38      | 44              | Yellow     |

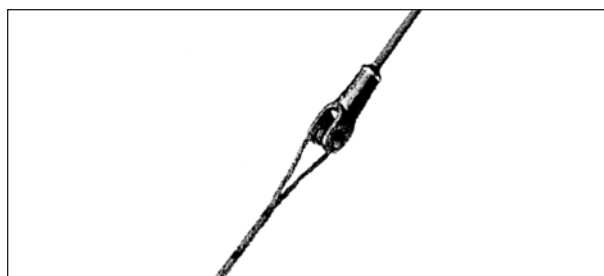
Left-Hand Lay standard

**EXPLANATORY NOTES:**

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard, all sizes.
- (3) Refer to General Information for material selection.
- (4) Rated holding strength is 100% of the published rating of the strand.
- (5) Consult PLP for sizes and stranding not shown.
- (6) Copperweld is a registered trademark of the Copperweld Co.

# GUY-GRIP® Dead-end: Stainless Steel

**For use on:  
Type 302 and Type 430 Strand**



| Type 302       |               |              |                        |            |           |                 |            |  |
|----------------|---------------|--------------|------------------------|------------|-----------|-----------------|------------|--|
| Catalog Number | Strand        |              |                        | Units      | Wt./ Lbs. | Length (Inches) | Color Code | Percent of Strands Rated Breaking Strength |
|                | Size (Inches) | Construction | Mean Diameter (Inches) | Per Carton |           |                 |            |  |
| SDE-5101       | 7/32          | 3W<br>7W     | .224<br>.216           | 100        | 30        | 22              | Blue       | 100%                                       |
| SDE-5102       | 1/4           | 3W<br>7W     | .259<br>.249           | 50         | 25        | 26              | Yellow     | 100%                                       |
| SDE-5103       | 9/32          | 7W           | .279                   | 50         | 26        | 27              | Black      | 90%  |
| SDE-5104       | 5/16          | 3W<br>7W     | .312<br>.312           | 50         | 41        | 31              | Orange     | 93%  |
| SDE-5105       | 3/8           | 3W<br>7W     | .356<br>.360           | 50         | 66        | 37              | Green      | 83%  |

**For use on:  
Type 316 Strand**

| Type 316       |               |              |                        |            |           |                 |            |  |
|----------------|---------------|--------------|------------------------|------------|-----------|-----------------|------------|--|
| Catalog Number | Strand        |              |                        | Units      | Wt./ Lbs. | Length (Inches) | Color Code | Percent of Strands Rated Breaking Strength |
|                | Size (Inches) | Construction | Mean Diameter (Inches) | Per Carton |           |                 |            |  |
| SDE-6101       | 7/32          | 3W<br>7W     | .224<br>.216           | 100        | 30        | 22              | Blue       | 100%                                       |
| SDE-6102       | 1/4           | 3W<br>7W     | .259<br>.249           | 50         | 25        | 26              | Yellow     | 100%                                       |
| SDE-6103       | 9/32          | 7W           | .279                   | 50         | 26        | 27              | Black      | 90%  |
| SDE-6504*      | 5/16          | 3W<br>7W     | .312<br>.312           | 50         | 41        | 31              | Orange     | 93%  |
| SDE-6105       | 3/8           | 3W<br>7W     | .356<br>.360           | 50         | 66        | 37              | Green      | 87%  |
| SDE-6107       | 1/2           | 7W           | .500                   | 10         | 52        | 53              | Blue       | 85%  |

\*These Dead-ends utilize the open helix design.

Left-Hand Lay standard

#### EXPLANATORY NOTES:

- (1) Big-Grip Dead-end is recommended as an alternative product for guying multiple pole structures or metal towers associated with transmission construction.
- (2) Refer to Hardware Considerations for acceptable fittings. Cabled Loop design furnished as standard, all sizes.
- (3) Refer to General Information for material selection.
- (4) Consult PLP for sizes and stranding not shown.