

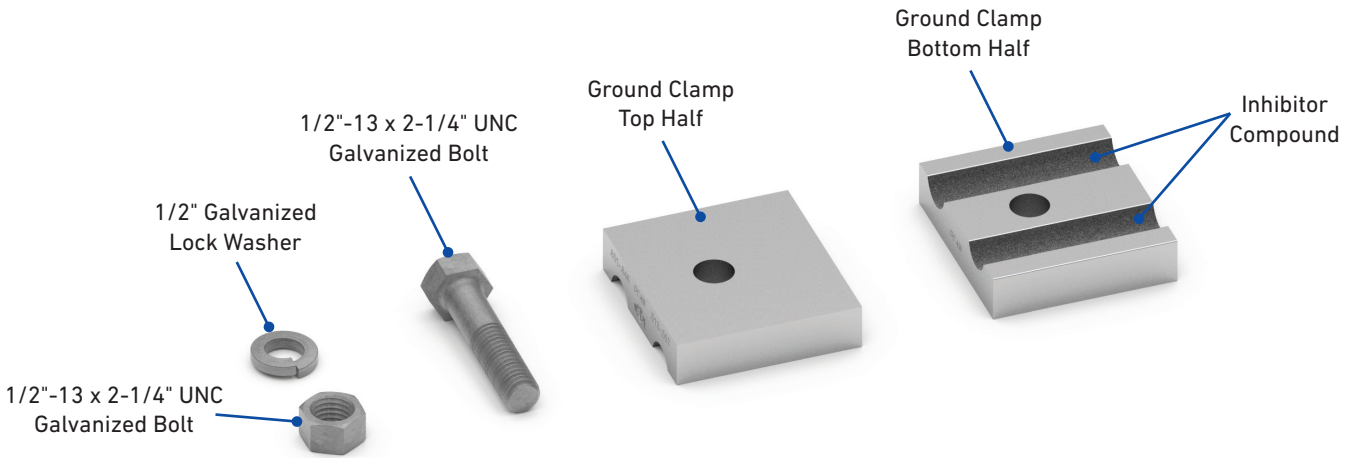
## FIBERLIGN® GROUND CLAMP

The **FIBERLIGN Ground Clamp** has parallel grooves designed to capture and bond OPGW to the structure ground wire. The aluminum alloy clamps include oxide inhibitor in the grooves and a bolt, nut, and lock-washer.

### FEATURES AND BENEFITS

- Each aluminum alloy clamp contains two parallel grooves, one for OPGW and one for a ground wire
- Grooves contain oxide inhibitor
- Clamp halves are secured together with a galvanized steel 1/2"-13 x 2-1/4" hex bolt, 1/2" lock washer, and 1/2"-13 hex nut
- Ground Clamps have a 25 ft-lb installation torque

## COMPONENTS



## ORDERING INFORMATION

• Complete the catalog number for the desired Ground Clamp by selecting the appropriate suffix codes from on the tables below.

### FIBERLIGN Ground Clamp Catalog Number

**GC-**   X     X    
 (Section 1) (Section 2)

**Catalog Number Example: GC-H6**

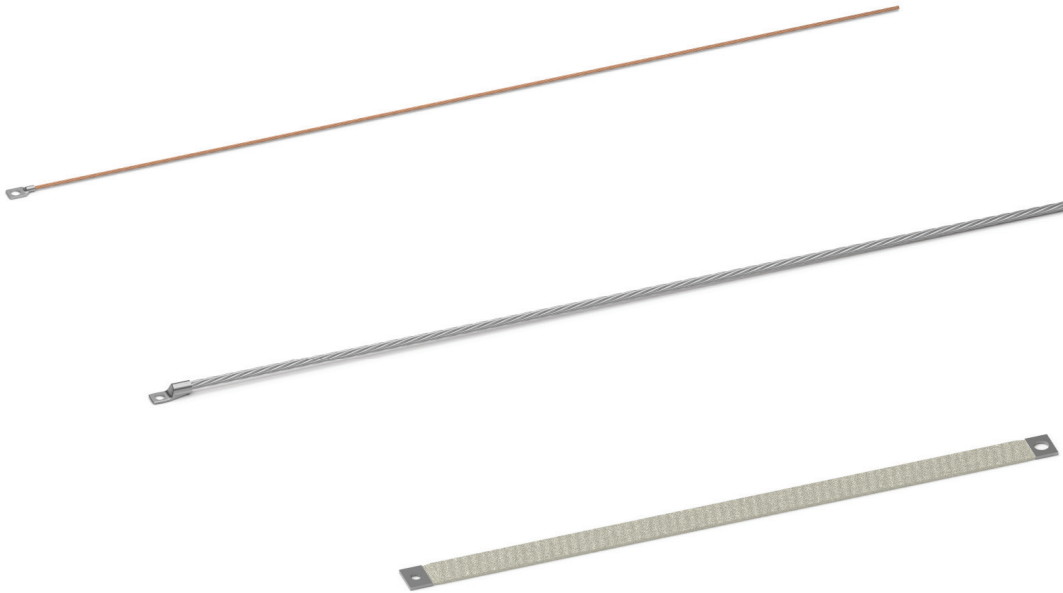
Includes (1) Ground Clamp for OPGW Diameter Range 0.601" – 0.646" and Ground Wire Diameter Range 0.513" – 0.557"

#### Section 1

| Suffix Code<br>(Groove A) | OPGW Diameter Range |             |
|---------------------------|---------------------|-------------|
|                           | in                  | mm          |
| A                         | 0.328 – 0.372       | 8.3 – 9.3   |
| B                         | 0.373 – 0.418       | 9.4 – 10.6  |
| C                         | 0.419 – 0.464       | 10.7 – 11.8 |
| D                         | 0.465 – 0.510       | 11.9 – 12.9 |
| E                         | 0.511 – 0.557       | 13.0 – 14.1 |
| F                         | 0.558 – 0.600       | 14.2 – 15.2 |
| H                         | 0.601 – 0.646       | 15.3 – 16.5 |
| I                         | 0.647 – 0.690       | 16.6 – 17.5 |
| J                         | 0.691 – 0.720       | 17.6 – 18.3 |
| K                         | 0.721 – 0.750       | 18.4 – 19.0 |
| L                         | 0.751 – 0.796       | 19.1 – 20.2 |

#### Section 2

| Suffix Code<br>(Groove B) | Ground Wire Diameter Range |             |
|---------------------------|----------------------------|-------------|
|                           | in                         | mm          |
| 1                         | 0.155 – 0.203              | 3.9 – 5.1   |
| 2                         | 0.204 – 0.385              | 5.2 – 9.8   |
| 3                         | 0.386 – 0.418              | 9.9 – 10.6  |
| 4                         | 0.419 – 0.464              | 10.7 – 11.8 |
| 5                         | 0.465 – 0.512              | 11.9 – 13.0 |
| 6                         | 0.513 – 0.557              | 13.1 – 14.1 |
| 7                         | 0.558 – 0.600              | 14.2 – 15.2 |
| 8                         | 0.601 – 0.646              | 15.3 – 16.4 |
| 9                         | 0.647 – 0.690              | 16.5 – 17.5 |



## FIBERLIGN® GROUND WIRE ASSEMBLIES

**FIBERLIGN Ground Wire Assemblies** are used to ground OPGW attachment hardware to a grounded metal pole or structure or a separate ground wire that runs the length of the pole or structure.

### FEATURES AND BENEFITS

- Made of conductive metals with at least one factory-installed terminal to connect it to the attachment hardware
- Available in different lengths with various combinations of terminals and bolt hole sizes to accommodate different connection types
- Stranded or braided wire construction
- Some Ground Wire Assemblies can be included with FIBERLIGN OPGW attachment hardware (Refer to each product section for availability)

## ORDERING INFORMATION

- Select the appropriate catalog number based on the terminal bolt hole size(s), wire type, and length needed to connect the assembly

### Stranded Ground Wire Assembly

| Catalog Number | Wire Type | Wire Construction           | Length |       | Number of Terminals | Terminal Bolt Hole Sizes |            | Includes Hardware (Bolts, Washers, Nuts) |
|----------------|-----------|-----------------------------|--------|-------|---------------------|--------------------------|------------|--|
|                |           |                             | in     | mm    |                     | Terminal 1               | Terminal 2 |  |
| 710010015      | Copper    | #4, 7 Wire                  | 48     | 1,219 | 1                   | 9/16"                    | –          | Yes                                      |
| 710010016      |           | #4, 7 Wire                  | 48     | 1,219 | 1                   | 9/16"                    | –          | No                                       |
| 710010527      |           | #4, 7 Wire                  | 48     | 1,219 | 2                   | 9/16"                    | 9/16"      | Yes                                      |
| 710010293      | Aluminum  | 4/0, 7 Wire                 | 48     | 1,219 | 1                   | 1/2"                     | –          | Yes                                      |
| 710010294      |           | 4/0, 7 Wire                 | 48     | 1,219 | 1                   | 1/2"                     | –          | No                                       |
| 710010882      |           | 4/0, 7 Wire                 | 120    | 3,048 | 1                   | 1/2"                     | –          | Yes                                      |
| 710010658      |           | 4/0, 19 Wire                | 48     | 1,219 | 2                   | 1/2"                     | 5/8"       | Yes                                      |
| 710011205      |           | 19mm <sup>2</sup> , 19 Wire | 60     | 1,524 | 2                   | 1/2" (M12)               | 5/8" (M16) | Yes                                      |



48" (1,219 mm) Long #4 (7W) Copper Ground Wire Assembly  
(Catalog Number: 710010016)

### Flexible Braided Ground Wire Assembly

| Catalog Number | Wire Type     | Wire Construction           | Length |       | Number of Terminals | Terminal Bolt Hole Sizes |            | Includes Hardware (Bolts, Washers, Nuts) |
|----------------|---------------|-----------------------------|--------|-------|---------------------|--------------------------|------------|--|
|                |               |                             | in     | mm    |                     | Terminal 1               | Terminal 2 |  |
| 710016687      | Tinned Copper | 1,536 Strands, 290 Ampacity | 18     | 457   | 2                   | 1/2"                     | 1/2"       | No                                       |
| 710017294      |               |                             | 24     | 610   | 2                   | 1/2"                     | 1/2"       | No                                       |
| 710016706      |               |                             | 36     | 914   | 2                   | 1/2"                     | 1/2"       | No                                       |
| 710016902      |               |                             | 50     | 1,270 | 2                   | 1/2"                     | 1/2"       | No                                       |
| 710016903      |               |                             | 70     | 1,778 | 2                   | 1/2"                     | 1/2"       | No                                       |
| 710016994      |               |                             | 18     | 457   | 2                   | 1/2"                     | 3/4"       | No                                       |
| 710017295      |               |                             | 24     | 610   | 2                   | 1/2"                     | 3/4"       | No                                       |
| 710016995      |               |                             | 36     | 914   | 2                   | 1/2"                     | 3/4"       | No                                       |
| 710016996      |               |                             | 50     | 1,270 | 2                   | 1/2"                     | 3/4"       | No                                       |
| 710016997      |               |                             | 70     | 1,778 | 2                   | 1/2"                     | 3/4"       | No                                       |



36" (914 mm) 1,536 Strands, 290 Ampacity Tinned Copper Braided Ground Assembly  
(Catalog Number: 710016706)