

# Alloy Top Tie

**Weight:** 0.00kg

**Dimensions:** 0.00cm x 0.00cm x 0.00cm

## Description

Preformed Line Products **Alloy Ties** are intended for use in corrosive environments on aluminum based conductors. They are suitable for use on ANSI C29 compliant insulators. Alloy Ties are designed for use in coastal areas. They have been performance-matched to aluminum conductors and are much more corrosive-resistant than standard aluminized steel ties.

## Features

- Easily applied by hand or with hot sticks
- Performance matched materials
- Will not damage the conductor during installation
- Conductor application up to 1.24"
- Accommodates line angles 0-40° depending on application
- Resiliency built in to protect the conductor
- Reacts like the conductor under loading
- Adheres to NESC Standards
- Will hold a minimum of 700 lbs. of unbalanced load (According to rigorous PLP testing)
- Suitable for use with either ANSI compliant polymer or porcelain insulators
- Made in the USA

## Documentation

### Application Procedures

[SP-2668 \(Alloy Top Tie\)](#)

## Sales Materials

[Alloy Ties - Sell Sheet](#)

[Alloy Ties - Catalog Pages](#)

[Insulator/Tie Fit Information Sheet](#)

**Part Tables**

| Catalog Number                      | Diameter Range (Inches) |       | Nominal Conductor Size                                      | Units Per Carton | Wt./Lbs. | Applied Length (Inches) | Insulator Identification Mark | Color Code |
|-------------------------------------|-------------------------|-------|---|------------------|----------|-------------------------|-------------------------------|------------|
|                                     | Min.                    | Max.  |   |                  |          |                         |                               |            |
| <b>9/16" R. GROOVE (See Note 2)</b> |                         |       |   |                  |          |                         |                               |            |
| ALC-1102                            | .245                    | .277  | #4, 6/1, 7/1 – #4, 7W Alum. Alloy                           | 100              | 18       | 26                      | Black                         | Orange     |
| ALC-1103                            | .278                    | .315  | #3, 7W Alum. Alloy – #2, 7W All Alum.                       | 100              | 18       | 26                      | Black                         | Purple     |
| ALC-1104                            | .316                    | .357  | #2, 6/1, 7/1 – #2, 7W Alum. Alloy #1, 6/1                   | 100              | 19       | 28                      | Black                         | Red        |
| ALC-1105                            | .358                    | .405  | 1/0, 7W All Alum. 1/0, 6/1 1/0, 7W Alum. Alloy              | 100              | 20       | 30                      | Black                         | Yellow     |
| ALC-1106                            | .406                    | .459  | 2/0, 7W All Alum. 2/0, 6/1 2/0, 7W Alum. Alloy              | 50               | 17       | 25                      | Black                         | Blue       |
| ALC-1107                            | .460                    | .520  | 3/0, 7W All Alum. 3/0, 6/1 3/0, 7W Alum. Alloy              | 50               | 17       | 25                      | Black                         | Orange     |
| ALC-1108                            | .521                    | .588  | 4/0, 7W All Alum. 4/0, 6/1 4/0, 7W Alum. Alloy              | 50               | 18       | 28                      | Black                         | Red        |
| ALC-1109                            | .589                    | .665  | 266.8, 37W All Alum. 266.8, 18/1                            | 50               | 18       | 30                      | Black                         | Purple     |
| ALC-1110                            | .666                    | .755  | 336.4, 19W All Alum. 336.4, 18/1 397.5, 19W All Alum.       | 50               | 19       | 31                      | Black                         | Brown      |
| ALC-1111                            | .756                    | .858  | 477, 19W, 37W All Alum. 477, 18/1, 24/7, 26/7               | 50               | 19       | 32                      | Black                         | Red        |
| <b>5/8" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALC-1112                            | .859                    | .968  | 556.5, 26/7 636, 18/1 700, 37W, 61W All Alum.               | 50               | 20       | 34                      | Black                         | Blue       |
| <b>3/4" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALC-1113                            | .969                    | 1.096 | 795, 37W All Alum. 795, 61W All Alum. 715.5, 24/7 795, 54/7 | 50               | 21       | 37                      | Black                         | Green      |
| ALC-1114                            | 1.097                   | 1.240 | 954, 36/1, 54/7 1033.5, 37W, 61W All Alum.                  | 50               | 22       | 40                      | Black                         | Yellow     |

Right-hand lay standard

**EXPLANATORY NOTES:**

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.

| Catalog Number                      | Diameter Range (Inches) |       | Nominal Conductor Size                                      | Units Per Carton | Wt./Lbs. | Applied Length (Inches) | Insulator Identification Mark | Color Code |
|-------------------------------------|-------------------------|-------|---|------------------|----------|-------------------------|-------------------------------|------------|
|                                     | Min.                    | Max.  |   |                  |          |                         |                               |            |
| <b>9/16" R. GROOVE (See Note 2)</b> |                         |       |   |                  |          |                         |                               |            |
| ALF-1202                            | .245                    | .277  | #4, 6/1, 7/1 #4, 7W Alum. Alloy                             | 100              | 19       | 27                      | Yellow                        | Orange     |
| ALF-1203                            | .278                    | .315  | #3, 7W Alum. Alloy #2, 7W All Alum.                         | 100              | 20       | 29                      | Yellow                        | Purple     |
| ALF-1204                            | .316                    | .357  | #2, 6/1, 7/1 #2, 7W Alum. Alloy #1, 6/1                     | 100              | 20       | 31                      | Yellow                        | Red        |
| ALF-1205                            | .358                    | .405  | 1/0, 7W All Alum. 1/0, 6/1 1/0, 7W Alum. Alloy              | 100              | 21       | 32                      | Yellow                        | Yellow     |
| ALF-1206                            | .406                    | .459  | 2/0, 7W All Alum. 2/0, 6/1 2/0, 7W Alum. Alloy              | 50               | 18       | 26                      | Yellow                        | Blue       |
| ALF-1207                            | .460                    | .520  | 3/0, 7W All Alum. 3/0, 6/1 3/0, 7W Alum. Alloy              | 50               | 18       | 27                      | Yellow                        | Orange     |
| ALF-1208                            | .521                    | .588  | 4/0, 7W All Alum. 4/0, 6/1 4/0, 7W Alum. Alloy              | 50               | 19       | 29                      | Yellow                        | Red        |
| ALF-1209                            | .589                    | .665  | 266.8, 37W All Alum. 266.8, 18/1                            | 50               | 19       | 32                      | Yellow                        | Purple     |
| ALF-1210                            | .666                    | .755  | 336.4, 19W All Alum. 336.4, 18/1 397.5, 19W All Alum.       | 50               | 20       | 32                      | Yellow                        | Brown      |
| ALF-1211                            | .756                    | .858  | 477, 19W, 37W All Alum. 477, 18/1, 24/7, 26/7               | 50               | 20       | 33                      | Yellow                        | Red        |
| <b>5/8" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALF-1212                            | .859                    | .968  | 556.5, 26/7 636, 18/1 700, 37W, 61W All Alum.               | 50               | 21       | 35                      | Yellow                        | Blue       |
| <b>3/4" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALF-1213                            | .969                    | 1.096 | 795, 37W All Alum. 795, 61W All Alum. 715.5, 24/7 795, 54/7 | 50               | 22       | 38                      | Yellow                        | Green      |
| ALF-1214                            | 1.097                   | 1.240 | 954, 36/1 1033.5, 37W, 61W All Alum. 954, 54/7              | 50               | 23       | 41                      | Yellow                        | Yellow     |

Right-hand lay standard

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| Catalog Number                      | Diameter Range (Inches) |       | Nominal Conductor Size                                      | Units Per Carton | Wt./Lbs. | Applied Length (Inches) | Insulator Identification Mark | Color Code |
|-------------------------------------|-------------------------|-------|---|------------------|----------|-------------------------|-------------------------------|------------|
|                                     | Min.                    | Max.  |   |                  |          |                         |                               |            |
| <b>9/16" R. GROOVE (See Note 2)</b> |                         |       |   |                  |          |                         |                               |            |
| ALJ-1302                            | .245                    | .277  | #4, 6/1, 7/1 #4, 7W Alum. Alloy                             | 100              | 25       | 28                      | Green                         | Orange     |
| ALJ-1303                            | .278                    | .315  | #3, 7W Alum. Alloy #2, 7W All Alum.                         | 100              | 27       | 30                      | Green                         | Purple     |
| ALJ-1304                            | .316                    | .357  | #2, 6/1, 7/1 #2, 7W Alum. Alloy #1, 6/1                     | 100              | 29       | 32                      | Green                         | Red        |
| ALJ-1305                            | .358                    | .405  | 1/0, 7W All Alum. 1/0, 6/1, 1/0, 7W Alum. Alloy             | 100              | 31       | 33                      | Green                         | Yellow     |
| ALJ-1306                            | .406                    | .459  | 2/0, 7W All Alum. 2/0, 6/1, 2/0, 7W Alum. Alloy             | 50               | 20       | 27                      | Green                         | Blue       |
| ALJ-1307                            | .460                    | .520  | 3/0, 7W All Alum. 3/0, 6/1, 3/0, 7W Alum. Alloy             | 50               | 21       | 28                      | Green                         | Orange     |
| ALJ-1308                            | .521                    | .588  | 4/0, 7W All Alum. 4/0, 6/1, 4/0, 7W Alum. Alloy             | 50               | 22       | 30                      | Green                         | Red        |
| ALJ-1309                            | .589                    | .665  | 266.8, 37W All Alum. 266.8, 18/1                            | 50               | 22       | 33                      | Green                         | Purple     |
| ALJ-1310                            | .666                    | .755  | 336.4, 19W All Alum. 336.4, 18/1 397.5, 19W All Alum.       | 50               | 23       | 33                      | Green                         | Brown      |
| ALJ-1311                            | .756                    | .858  | 477, 19W, 37W All Alum. 477, 18/1, 24/7, 26/7               | 50               | 27       | 34                      | Green                         | Red        |
| <b>5/8" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALJ-1312                            | .859                    | .968  | 556.5, 26/7 636, 18/1 700, 37W, 61W All Alum.               | 50               | 27       | 36                      | Green                         | Blue       |
| <b>3/4" R. GROOVE (See Note 2)</b>  |                         |       |   |                  |          |                         |                               |            |
| ALJ-1313                            | .969                    | 1.096 | 795, 37W All Alum. 795, 61W All Alum. 715.5, 24/7 795, 54/7 | 50               | 30       | 39                      | Green                         | Green      |
| ALJ-1314                            | 1.097                   | 1.240 | 954, 36/1 954, 54/7 1033.5, 37W, 61W All Alum.              | 50               | 31       | 42                      | Green                         | Yellow     |

Right-hand lay standard

**EXPLANATORY NOTES:**

- (1) Nominal Conductor size indicates one of various conductors within each range.
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## **Videos**

**Alloy Top Tie - Installation Video**