

# DEAD ENDS

## ARMOR RODS / STRAND SPLICE



EP-XXXX-XX.X-XX.X-XX-US

### \ GENERAL

#### \ DESCRIPTION

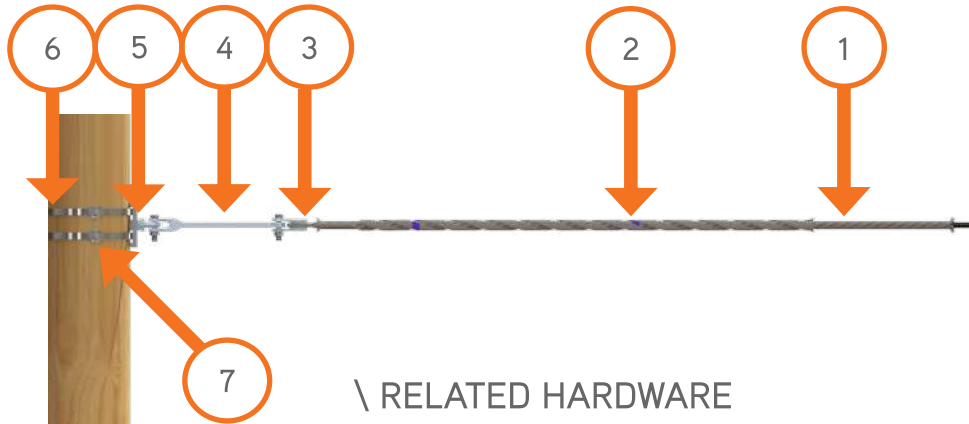
The AERIALGRIP® dead-end splice is made up of sturdy helical wires used to splice, repair or protect outside plant fiber optic cable as a structural reinforcing layer. This product provides a holding strength equal to the ultimate tensile strength of an EHS grade steel wire. Manufactured with galvanized or aluminized steel; treated with an abrasive material in its inner side to improve grip strength. Installing armor rods improves the conductor's ability to withstand the fatigue forces associated with aeolian type vibration.

#### \ FEATURES

- Protects from compression damage caused by ADSS suspension hardware
- Flexible. Provides protection from movement and vibration from environmental factors
- Easy and safe installation. No additional tools required
- Correct installation can be verified visually
- Compliant with ASTM A153
- Various sizes available based on application requirements and cable/messenger diameters



## \ APPLICATION

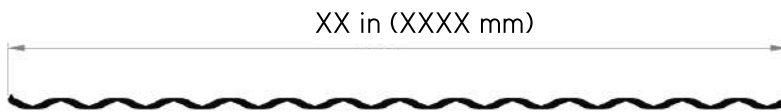


**Fig 1** Dead-end splice application in an ADSS tension assembly  
 Note: Illustrative images

## \ RELATED HARDWARE

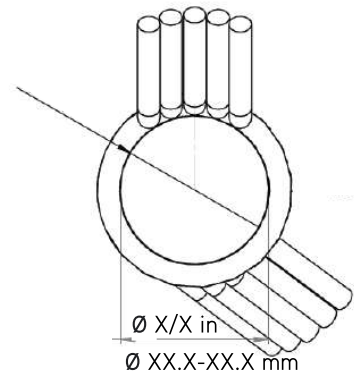
|    | CODE               | DESCRIPTION                 |
|----|--------------------|-----------------------------|
| 1) | EPXXXX-XX.X-XX     | ARMOR RODS                  |
| 2) | HPXXX-XX.X-XX.X-XX | DEAD-END FOR ADSS CABLE     |
| 3) | HGTC-XX-X          | PRELOADED THIMBLE CLEVIS    |
| 4) | HET-70             | 70KN EXTENSION LINK         |
| 5) | HSP-300-2-X/X      | DOUBLE BAND EYE NUT BRACKET |
| 6) | HF-X/X-30          | METAL STRAP                 |
| 7) | HB-X/X-100         | BUCKLE                      |

## \ DIMENSIONS



**Fig 2** dead-end splice side view

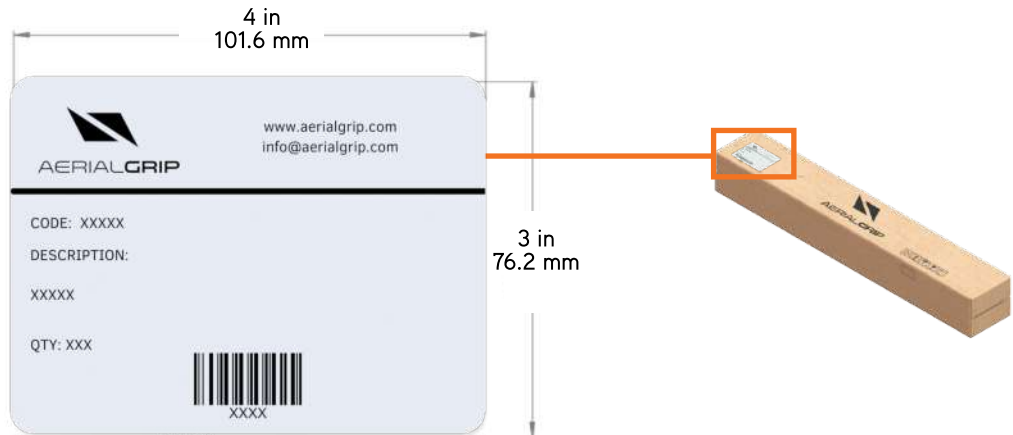
Note: Length varies from 11.8 in (300 mm) to 70.8 in (1800 mm). See ordering matrix for dimensions.



**Fig 3** Front view

Note: See ordering matrix for all available diameters.

## \ LABELING SPECIFICATIONS



## \ PACKAGING

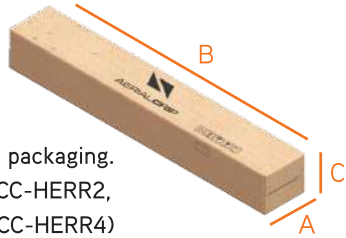


Fig. 4 25 pc. packaging.  
(CC-HERR, CC-HERR2,  
CC-HERR3, CC-HERR4)

|       | A (in)/(mm) | B (in)/(mm) | C (in)/(mm) |
|-------|-------------|-------------|-------------|
| Box A | 9.84/250    | 38.4/975    | 8.26/210    |
| Box B | 9.84/250    | 50/1270     | 8.26/210    |
| Box C | 9.84/250    | 68.89/1750  | 8.26/210    |
| Box D | 9.84/250    | 80.2/2037   | 8.26/210    |

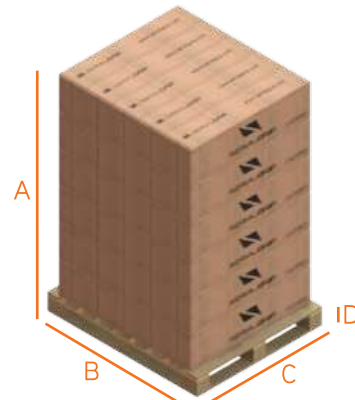


Fig. 5 Horizontal Packaging. 24 box pallet  
(414.5-665.8 lb / 188-302 Kg)

|                                   | A (in)/(mm) | B (in)/(mm) | C (in)/(mm) | D (in)/(mm) |
|-----------------------------------|-------------|-------------|-------------|-------------|
| Pallet A                          | 64.4/1637   | 48/1219.2   | 40/1016     | 5.37/136.56 |
| Pallet A box configuration: 5x1x6 |             |             |             |             |

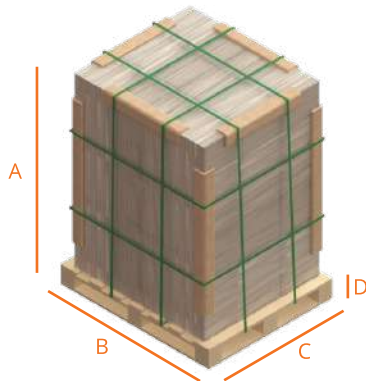
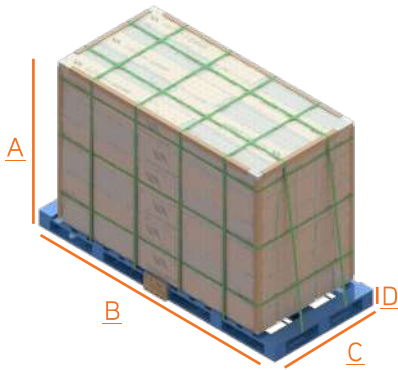


Fig. 6 Vertical Packaging. 20 box pallet  
(573.2 - 870.8 lb / 260 - 395 kg)

|   | A (in/mm) | B (in/mm) | C (in/mm) | D (in/mm)   |
|---|-----------|-----------|-----------|-------------|
| Pallet B                                | 55.4/1407 | 48/1219.2 | 40/1016   | 5.37/136.56 |
| Pallet C                                | 74.3/1887 | 48/1219.2 | 40/1016   | 5.37/136.56 |
| Pallet B and C box configuration: 5x4x1 |           |           |           |             |

Note: Final weights vary depending on product configuration.  
See specifications table for dead-end splice weights.



|          | A (in)/(mm) | B (in)/(mm) | C (in)/(mm) | D (in)/(mm) |
|----------|-------------|-------------|-------------|-------------|
| Pallet D | 40.5/1028.5 | 80.31/2040  | 44.1/1120   | 5.37/136.56 |

Notes: \*Boxes and pallet weight included. (500 pcs. total)

Note: Illustrative images

Fig. 7 Horizontal Packaging. 20 box pallet  
(1168.4-1576.3 lb / 530-715 kg )\*

## \ ORDERING MATRIX

EP-XXXX-XX.X-XX.X-XX-US

XXXX - Dead-end splice length  
 1000 - 1000 mm (39 in)  
 1800 - 1800 mm (71 in)  
 2000 - 2000 mm (79 in)

XX - Material\*  
 AG - Galvanized steel  
 AL - Aluminum

XXX - Diameter acceptance range  
 11.2-12.2 - 11.2 to 12.2 mm (0.441 - 0.480 in)  
 .  
 .  
 .  
 27.2-28.9 - 27.2 to 28.9 mm (1.070 to 1.137 in)

Notes: Please refer to table 1. "Dead-end splice specifications" for all configuration options.

\*Material only applies to dead-end splices for messenger wire. Refer to table 2 for available configurations.

## \ SPECIFICATIONS

| Code             | Color code | Wire Qty. | Weight (lb / kg) |          | Diameter (min - max) inches |          | Diameter (min - max) mm |         | Overall length (inches / meters) |       |
|------------------|------------|-----------|------------------|----------|-----------------------------|----------|-------------------------|---------|----------------------------------|-------|
|                  |            |           |                  |          |                             |          |                         |         |                                  |       |
| HP1000-11.2-12.2 | Blue       |           | 0.793 lb         | 0.360 kg | 0.440 in                    | 0.480 in | 11.2 mm                 | 12.2 mm | 39.37 in                         | 1.0 m |
| HP1000-12.3-13.3 | Orange     |           | 0.793 lb         | 0.360 kg | 0.484 in                    | 0.523 in | 12.3 mm                 | 13.3 mm | 39.37 in                         | 1.0 m |
| HP1000-16.2-17.2 | Gray       |           | 0.903 lb         | 0.410 kg | 0.637 in                    | 0.677 in | 16.2 mm                 | 17.2 mm | 39.37 in                         | 1.0 m |
| HP1000-18.7-19.9 | White      |           | 1.499 lb         | 0.680 kg | 0.736 in                    | 0.783 in | 18.7 mm                 | 19.9 mm | 39.37 in                         | 1.0 m |
| HP1000-21.6-22.7 | Gray       |           | 1.653 lb         | 0.750 kg | 0.850 in                    | 0.893 in | 21.6 mm                 | 22.7 mm | 39.37 in                         | 1.0 m |
| HP1800-11.2-12.2 | Blue       |           | 1.058 lb         | 0.480 kg | 0.440 in                    | 0.480 in | 11.2 mm                 | 12.2 mm | 70.86 in                         | 1.8 m |
| HP1800-12.3-13.3 | Orange     |           | 1.058 lb         | 0.480 kg | 0.484 in                    | 0.523 in | 12.3 mm                 | 13.3 mm | 70.86 in                         | 1.8 m |
| HP1800-16.2-17.2 | Gray       |           | 1.322 lb         | 0.600 kg | 0.637 in                    | 0.677 in | 16.2 mm                 | 17.2 mm | 70.86 in                         | 1.8 m |
| HP1800-18.7-19.9 | White      |           | 1.499 lb         | 0.680 kg | 0.736 in                    | 0.783 in | 18.7 mm                 | 19.9 mm | 70.86 in                         | 1.8 m |
| HP1800-21.6-22.7 | Gray       |           | 1.499 lb         | 0.680 kg | 0.850 in                    | 0.893 in | 21.6 mm                 | 22.7 mm | 70.86 in                         | 1.8 m |
| HP2000-11.2-12.2 | Blue       |           | 1.653 lb         | 0.750 kg | 0.440 in                    | 0.480 in | 11.2 mm                 | 12.2 mm | 78.74 in                         | 2.0 m |
| HP2000-12.3-13.3 | Orange     |           | 1.653 lb         | 0.750 kg | 0.484 in                    | 0.523 in | 12.3 mm                 | 13.3 mm | 78.74 in                         | 2.0 m |
| HP2000-16.2-17.2 | Gray       |           | 1.653 lb         | 0.750 kg | 0.637 in                    | 0.677 in | 16.2 mm                 | 17.2 mm | 78.74 in                         | 2.0 m |
| HP2000-18.7-19.9 | White      |           | 1.653 lb         | 0.750 kg | 0.736 in                    | 0.783 in | 18.7 mm                 | 19.9 mm | 78.74 in                         | 2.0 m |
| HP2000-21.6-22.7 | Gray       |           | 1.653 lb         | 0.750 kg | 0.850 in                    | 0.893 in | 21.6 mm                 | 22.7 mm | 78.74 in                         | 2.0 m |

Table 1. Dead-end splice specifications



Our manufacturing process guarantees permanent adherence of the abrasive coating.



Strand tips manufactured with beveled edges to counteract and avoid corona discharges making installations safer for your technicians.

| Code           | Description   | Resistance (lb/kg) | Length (in/mm) | Weight (lb/kg) | Color code | Wire Qty.  | Sense of rotation  | Wire diameter | Nom. messenger diameter. (in/mm) |           |
|----------------|---|--------------------|----------------|----------------|------------|------------|--------------------|---------------|----------------------------------|-----------|
| EP1000-5/16-AG | 39.37 IN (1,000 MM) GALVANIZED DEAD-END SPLICE FOR 5/16 IN MESSENGER WIRE | 13,227/6,000       | 42/1,067       | 1.15/524       | Black      | 11 (4-4-3) | Counter Clock wise | 0.10/2.59     | .29/7.4                          | .33/8.5   |
| EP900-1/4-AG   | 35.43 IN (900 MM) GALVANIZED DEAD-END SPLICE FOR 1/4 IN MESSENGER WIRE    | 6,613/3,000        | 35/889         | 0.56/.255      | Yellow     | 10 (5-5)   | Counter Clock wise | .082/2.1      | .23/5.8                          | .256/6.5  |
| EP300-1/16-AG  | 11.81 IN (300 MM) GALVANIZED DEAD-END SPLICE FOR 1/16 IN MESSENGER WIRE   | 4,409/2,000        | 11/280         | 0.33/150       | Brown      | 4 (2-2)    | Counter Clock wise | 0.07/1.83     | .06/1.52                         | .062/1.58 |

Table 2. Dead-end splice for messenger wire