

# Aerial Cable Attachment Hardware Solutions

FIBERLIGN® Series – ADSS & Stranded Applications

## TANGENT SOLUTIONS



### FIBERLIGN® Aluminum Support (FAS), Catalog Series 445xxxx

**Typical Applications:** Distribution for Semi-Rural and Metro Environments

#### Features

- Hinged aluminum body
- Multi-Cable & stacking capability
- Polyurethane cushion inserts
- Captured fasteners
- Stringing Block capability

#### Specification

- Distribution for Semi-Rural and Metro Environments
- Maximum Span: 600' (183 m)
- Maximum Turning Angle: 20 degrees
- Maximum Stringing Turning Angle: 10 degrees
- Accepts: 5/8" or M16 Bolt or 1 1/4" (31.7 mm) wide band

- Body Width: 3.2" (81 mm)
- Cable OD's: .226"-1.425" (5.7 - 35.5 mm)
- Standards: IEEE 1222

#### Mounting Accessories

- Mounting options are cast into base – customer supplies 5/8" or M16 through-bolt for wood pole or banding material for steel and concrete poles



### FIBERLIGN Lite Support (FLS), Catalog Series 4800xxx

**Typical Applications:** Distribution for Short Span Metro Environments

#### Features

- Tough polyurethane housing halves
- Multi-Cable & stacking capability
- One-piece pliable cushion Insert
- Stringing Block capability

#### Specification

- Maximum Span: 300' (91 m)
- Maximum Turning Angle: 20 degrees
- Maximum Stringing Turning Angle: 10 degrees
- Accepts 5/8" or M16 Bolt or 3/4" (19 mm) wide band.
- Body Width: 2.75" (69.8 mm)
- Small Insert Cable OD's: .250"-.699" (6.3 - 17.7 mm)

- Large Insert Cable OD's: .250"-1.054" (6.3 - 26.6 mm)
- Standards: IEEE 1222

#### Mounting Accessories

- Wood poles use 5/8"-11 or M16 double arming bolt
- Concrete or steel poles use 3/4" (19 mm) wide banding and carriage bolt option "H2" Suffix Code H2 includes carriage bolt with washer, lock washer, and nut

## DEAD-END SOLUTIONS



### FIBERLIGN Dielectric Dead-end–Limited Tension, Catalog Series 2872xxx

**Typical Applications:** Distribution for Semi-Rural and Metro Environments

#### Features

- Dual Layer Formed Wire Dead-end
- Helical holding concept – Low distributed pressure
- Aesthetics: Low profile closely matches cable
- Unloading Capability: Holding stress reduces as ice and wind dissipate (whereas wedge clamps continue high stress without relief)

#### Specification

- Maximum installation or long term load: 1000# (4.4 kN)
- Maximum ice and wind load or short term load: 2500# (11.1 kN)
- Maximum span: 600' (183 m)
- Overall length: 48" (1219 mm) for cable OD's .400"-1.073" (10 - 27 mm)
- Overall length: 60" (1524 mm) for cable OD's 1.074"-1.288" (27.2 - 30.4 mm)
- Standards: IEEE 1222

#### Accessories

- Thimble Clevis and 14" (355 mm) extension link with 5/8"-11 Eye-nut
- Suffix Codes for Mounting: Wood pole "C1E1" Concrete or steel pole (banding bracket): "C1E1B1"



### FIBERLIGN® Lite Tension Dead-end, Catalog Series 2875xxx

**Typical Applications:** Distribution for Short Span Metro Environments

#### Features

- Single layer formed wire
- Helical holding concept – Low distributed pressure
- Aesthetics: Low profile closely matches cable
- Unloading Capability: Holding stress reduces as ice and wind dissipate
- Hybrid Aluminum & Al Clad Steel design for optimized fatigue strength and installation flexibility

#### Specification

- Maximum installation or long term load: 600# (2.7 kN)
- Maximum ice and wind load or short term load: 800# (3.5 kN)
- Maximum span: 300' (91 m)
- Overall length: 28" to 49" (711 to 1244 mm)
- Cable OD's: .375"-.750" (9.52 - 19 mm)
- Standards: IEEE 1222

#### Accessories

- Thimble Eyelet accepts 5/8" or M16 bolt
- Suffix Codes for Mounting: Wood pole "TE" Concrete or steel pole (banding bracket): "TEB1"

# Aerial Cable Attachment Hardware Solutions

FIBERLIGN® Series – ADSS & Stranded Applications

## DROP CABLE HARDWARE SOLUTIONS



### Dead-ends

- ADSS Drop Cable Dead-end with Thimble
- Formed wire design provides uniform low pressure holding without fiber attenuation or concentrated cable stress—unlike wedge grips
- Dead-end loop fits pole line fittings such as thimble eyes and spool insulators
- Order thimble for J-hooks and simple adaptor for conventional communications fittings such as rams head
- Meets most manufacturer load requirements for round or flat profile cables
- Low cost, easy installation—no tools required
- Dead-ends for lashed and Figure 8 cable applications are also available. Contact a PLP representative for more details.



### FIBERLIGN® Tangent Locations

- Tangent Support
- Alternate for intermediate pole locations in FTTP environment
- Mounting loop accepts J-hook fittings
- Formed wire one-piece design for easy installation – no tools required



### FIBERLIGN® Midspan Drop

- ADSS Midspan Drop with Round Thimble Connected to dead-ends
- For midspan support from main-to-drop ADSS cable in FTTP environment
- Formed wire low cost design for easy installation without tools
- Maximum 500 lb. perpendicular load
- Three component design:
  - 1) Structural Reinforcing Rod (SRR) – a layer of reinforcement designed for safe off-axis loading
  - 2) Midspan Drop – provides support loop for drop cable taps
  - 3) Round thimble – provides proper interface at support loop for ADSS Drop cable dead-ends

## CABLE STORAGE SOLUTIONS



### FIBERLIGN® CLAS, Catalog Series 710012375----

**Typical Applications:** All Dielectric Cable Storage for all Distribution Environments

#### Features

- Center-Lock hinge design
- Extended hinge minimizes stress
- Minimizes infringement of pole space
- Folds and separates for efficient storage
- Brackets available for all butt splice closure storage
- Uni-Group Cable Guide (UCG) used to guide cable pass pole

#### Specification

- Max Storage Length: span length x2 (virtually unlimited)
- Maximum Storage Diameter: 20" (508 mm)
- Maximum Cable OD: 1" (25.4 mm)
- Cable Straps: heavy duty ½" (63.5 mm) wide with superior UV resistance
- Kit Includes: 2 ea. CLAS brackets, cable polepass option and 10 straps
- Standards: IEEE 1222

#### Accessories

- UCG Mounting:
- Wood Pole – lag bolts included
  - Steel or concrete pole – ¾" (19 mm) banding material required
  - Butt Splice Bracket
- Suffix Codes:
- "D1" for 6.5" (218 mm) Domes
  - "R1" for In-Line RUNT
  - "T1" for 25 added cable straps