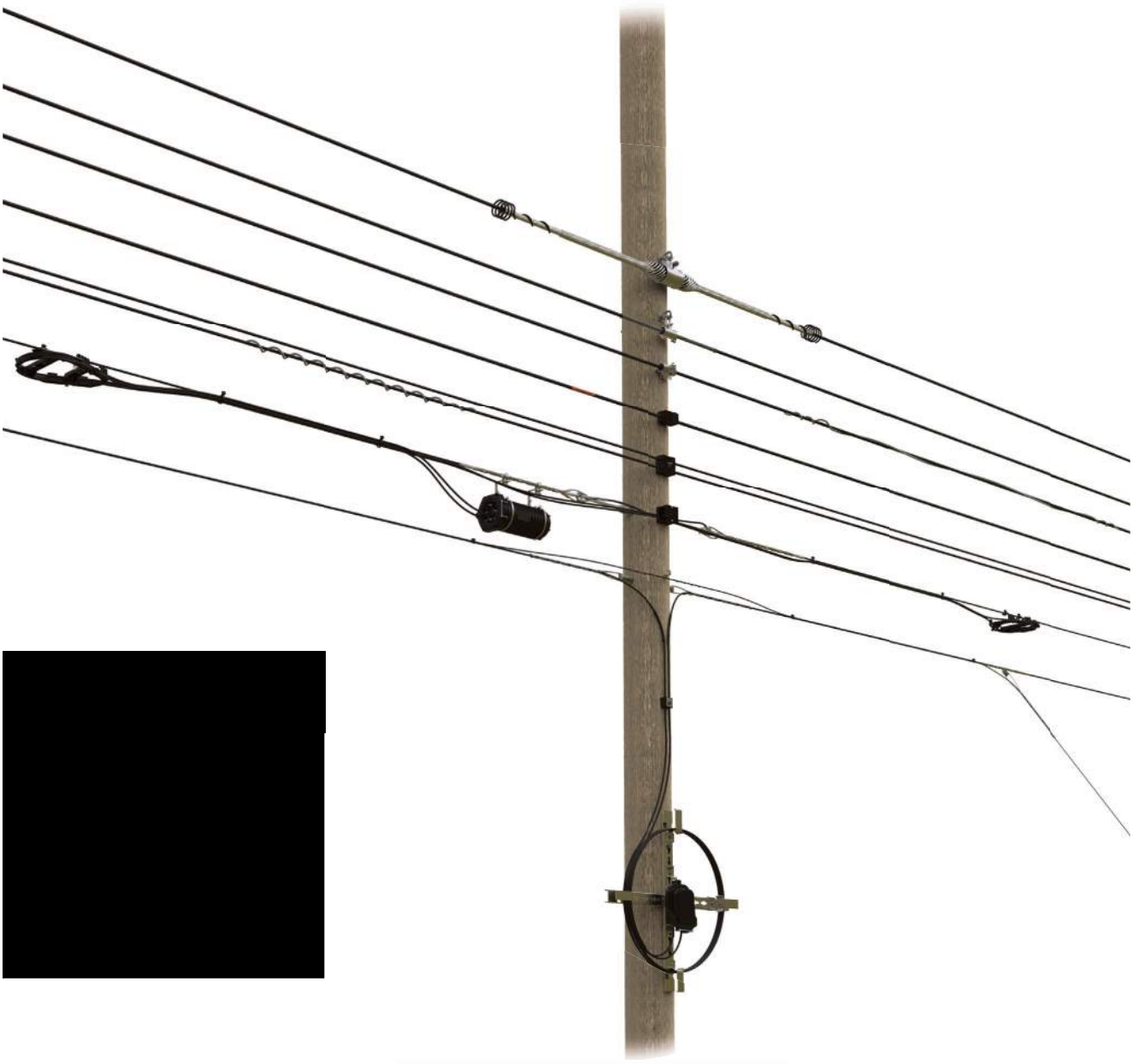
PRODUCT CATALOG

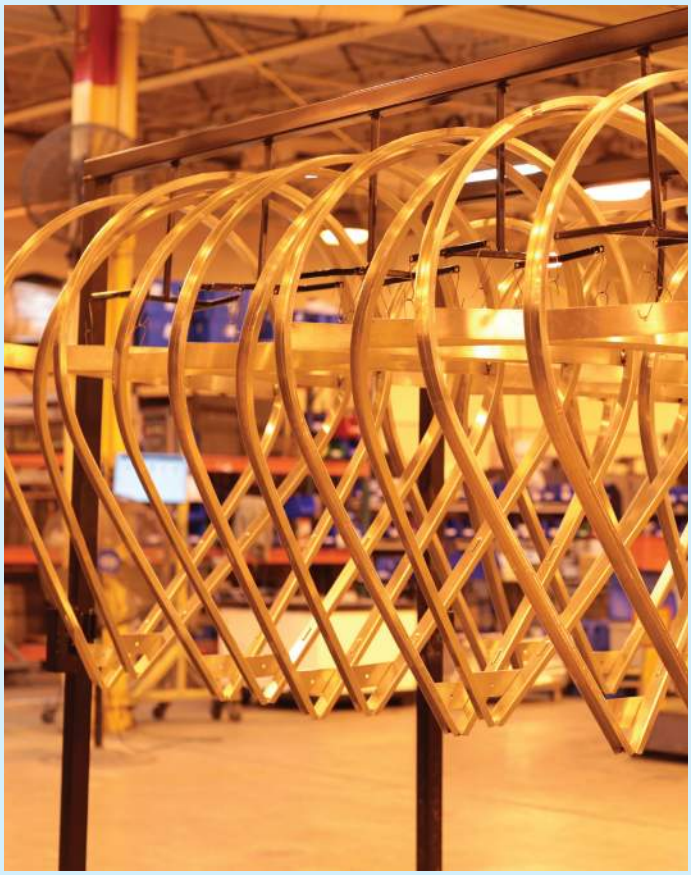


FIBERLIGN® ADSS HARDWARE

Cable Dead-Ends | Cable Supports & Suspensions | Cable Storage Solutions
Motion Control Products | Cable Protection & Identification Products

ABOUT PLP

PLP protects the world's most critical connections by creating stronger and more reliable networks. Our precision-engineered solutions are trusted by energy and communications providers worldwide to perform better and last longer. With offices and manufacturing facilities in over 20 countries, PLP works as a united global corporation, delivering high-quality products and unparalleled service to customers around the world.



MANUFACTURING OPERATIONS

Headquartered in Cleveland, Ohio, PLP delivers high-quality, dependable solutions and market-leading customer service through our two U.S. manufacturing plants, 24 global facilities, and a network of more than 3,000 team members.

PLP's facilities in Arkansas and North Carolina manufacture ADSS system components in accordance with ISO quality systems, including formed wire dead-ends, cast tangent supports, motion control devices, and injection-molded splice products.

TESTING & QUALITY CONTROL

Thomas Peterson, the founder of PLP, believed in innovation and quality. That's why product testing has been an integral part of PLP since its beginning in 1947. In fact, not only do we test products during the development stage in our research laboratory at PLP's Global Headquarters, we also test products at all of our manufacturing facilities to ensure quality is never compromised.

Today, our state-of-the-art lab is one of the largest testing facilities of fiber connectivity devices for the communications industry as well as conductor and cable accessories for the power utility industry. While many competitors have reduced or eliminated their testing labs, we recently expanded ours by 50%, making it a 23,000 square foot facility.

PRODUCT PLACEMENT WITHIN THE ADSS CABLE NETWORK

For more information about each product, refer to the product sections listed in the table of contents on the next page.

Network Locations for FIBERLIGN® ADSS Hardware Products

Product	Network Section		
	FTTX Deployment Areas	Communication and Electrical Utility Fiber Deployment Areas	Fiber Deployment in High Voltage Areas
FIBERLIGN® Dead-Ends			
FIBERLIGN® ADSS Drop Cable Dead-Ends	X		
FIBERLIGN® ADSS Midspan Drop Drop Cable Dead-Ends	X		
FIBERLIGN® Drop Cable Dead-Ends for Figure 8 Drop Cables	X		
FIBERLIGN® Lite Tension Dead-Ends		X	
FIBERLIGN® Limited Tension Dead-Ends (Dielectric Dead-End)		X	
FIBERLIGN® Medium Tension Dead-Ends (Dielectric Dead-End)		X	X
FIBERLIGN® Semi-High Tension Dead-Ends (Dielectric Dead-End)		X	
FIBERLIGN® High Tension Dead-Ends (Dielectric Dead-End)		X	X
FIBERLIGN® Supports			
FIBERLIGN® Tangent Support	X		
FIBERLIGN® Lite Support	X	X	
FIBERLIGN® Dielectric Support		X	
FIBERLIGN® Aluminum Support		X	
FIBERLIGN® Suspensions			
FIBERLIGN® Aluminum Suspension		X	X*
FIBERLIGN® Dielectric Suspension		X	X
SLACKLOOP® Cable Storage Systems			
SLACKLOOP® Drop Cable Storage Bracket	X		
SLACKLOOP® Cable Storage System – Aluminum & Plastic		X	
SLACKLOOP® Cable Storage System – Center-Lock		X	
SLACKLOOP® Vertical Cable Storage System – Adjustable		X	X
SLACKLOOP® Vertical Cable Storage System – 33"	X	X	X
SLACKLOOP® Vertical Cable Storage System – 60"		X	X
COYOTE® Defender		X	X
Motion Control Products			
FIBERLIGN® Dielectric Damper		X	X
Air Flow Spoiler		X	X
Cable Protection Products			
ADSS-CORONA™ Coil			X
FIBERLIGN® ADSS Cable Abrasion Protector	X	X	
FIBERLIGN® Fiber Optic Cable Marker		X	
FIBERLIGN® Downlead Cushion	X	X	X

*FIBERLIGN Aluminum Suspension with Structural Reinforcing Rods

CONTENTS

FIBERLIGN® ADSS HARDWARE

FIBERLIGN® ADSS DROP CABLE DEAD-END

Classified as a formed wire design, the **FIBERLIGN ADSS Drop Cable Dead-End** is able to secure the soft pliable surface of a drop cable without causing attenuation. Unlike wedge-type dead-ends, the formed wire dead-end effectively transfers the axial load on the cable at the end of the dead-end legs to a low uniform radial compression near the loop. This transition of force is distributed over the length of the product, providing a secure hold with minimal pressure on the cable or messenger.

FEATURES AND BENEFITS

- Applies directly to the pliable surface of the drop cable without damaging the cable jacket or causing fiber attenuation that wedge-style clamps can cause
- Manufactured from corrosion-resistant aluminum alloy that is latex coated to provide a compatible interface with the polyethylene jacket of the drop cable
- Uses a common design for both round-profile and flat drop cables that can reduce inventory and training needs
- Multi-wire loop section provides more strength than the single wire bail of wedge clamps
- Dead-end loop will fit a minimum diameter of 1" (25.4 mm) and a maximum of 1-5/8" (41.3 mm)
- Designed to fit over standard pole line hardware fittings
- Can be applied on hooks and other fitting types (with a small interface diameter less than 1") with the addition of an optional thimble

SPECIFICATIONS

Due to the variety of cable designs from various manufacturers, the holding capabilities of **FIBERLIGN ADSS Drop Cable Dead-End** will vary. The cable specifications shown below provide the typical requirements for a drop cable application.

CAUTION: Contact the cable manufacturer for specific capabilities to determine the proper sag and tension levels for your system.

FIBERLIGN ADSS Drop Cable Dead-End[1]

Maximum Span Length				Installation Load Range		Loaded Tension Range	
Distribution		Service Drop					
ft	m	ft	m	lb	N	lb	N
300	91	200	61	70-100	311 – 444	250 – 500	890 – 2,220

[1]Specifications listed are approximate and can vary by application.

ATTACHMENT FITTINGS

The loop of the FIBERLIGN® ADSS Drop Cable Dead-End will fit over a minimum diameter of 1" (25.4 mm) and a maximum diameter of 1-5/8" (41.3 mm). Thimbles can be used for fittings that may cause high stress in the loop of the dead-end.

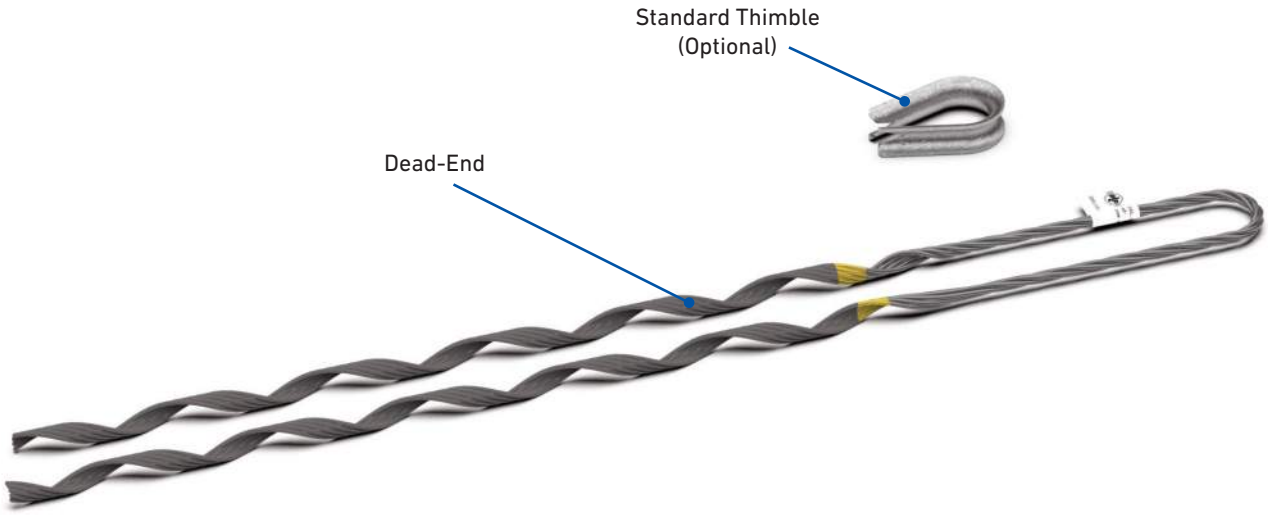
Optimal Fittings – No Thimble Required

Fittings Requiring Thimble

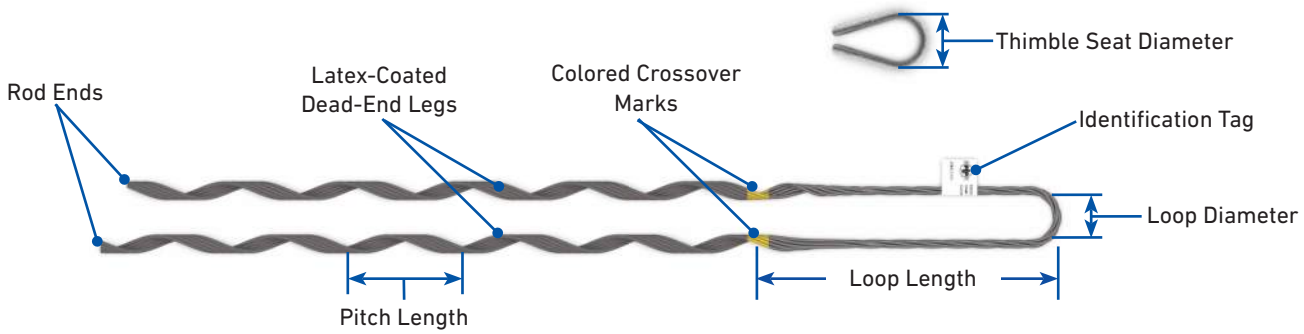
The **FIBERLIGN ADSS Midspan Drop** allows ADSS drop cables to be redirected anywhere along the backbone cable. It provides the proper loop support for FIBERLIGN ADSS Drop Cable Dead-Ends and has the ability to support up to two drop cables.

FIBERLIGN ADSS Midspan Drop

COMPONENTS



Component	Description
Identification Tag	Tag includes product description and application information
Colored Crossover Mark	Indicates where dead-end contact should begin and identifies the cable diameter range
Dead-End Legs	Wrap onto the cable beginning at the crossover mark
Latex Coating	Pliable coating applied over the dead-end legs
Rod Ends	Special rod end treatment to prevent cable sheath damage
Loop Diameter	Formed diameter designed to interface with standard fittings
Loop Length	Length from the color mark to the end of the loop
Pitch Length	Distance along the leg that represents one complete wrap around the circumference of the cable (360 degrees)
Thimble Seat Diameter	Formed diameter designed to fit the dead-end loop



ORDERING INFORMATION

Select the appropriate **FIBERLIGN® ADSS Drop Cable Dead-End** based on the diameter of the cable for round-profile cables or based on the length and width dimensions for flat drop cables.

FIBERLIGN ADSS Drop Cable Dead-End

Round-Profile Drop Cables

Catalog Number		Cable Diameter Range[2]		Color Code	Length		Per Carton	
without Thimble	with Thimble[1]	in	mm		in	m	Units	Wt/lb[3]
288811343	288811343T	0.231 – 0.240	5.9 – 6.1	Brown	19	0.48	100	11
288811285	288811285T	0.251 – 0.260	6.4 – 6.6	Red	18	0.46	100	10
288811337	288811337T	0.301 – 0.310	7.6 – 7.9	Red	22	0.56	100	20
288811350	288811350T	0.321 – 0.330	8.2 – 8.4	Black	23	0.58	100	20
288811352	288811352T	0.341 – 0.350	8.7 – 8.9	Red	22	0.56	100	18
288811274	288811274T	0.351 – 0.360	8.9 – 9.1	Black	24	0.61	100	21
288811269	288811269T	0.361 – 0.370	9.2 – 9.4	Black	22	0.56	100	18
288811353	288811353T	0.371 – 0.380	9.4 – 9.6	Yellow	27	0.69	100	27

[1] Kit includes a 1/2" Standard Thimble **(Catalog Number: 00065474)**. The Standard Thimble weighs 0.12 lb
[2] Contact PLP for cable applications not shown
[3] This weight is for Drop Cable Dead-Ends without Thimbles. Carton weight increases approximately 12 lb for Drop Cable Dead-Ends with Thimbles.

Flat Drop Cables

Catalog Number		Flat Cable Information[2]			Color Code	Length		Per Carton	
without Thimble	with Thimble[1]	L x W[3]		Manufacturer		in	m	Units	Wt/lb[4]
		in	mm						
288811353	288811353T	0.320 x 0.180	8.1 x 4.5	Corning	Yellow	27	0.69	100	27
		0.310 x 0.170	7.8 x 4.3	OFS					
		0.330 x 0.170	8.3 x 4.3	Prysmian					
288811274	288811274T	0.303 x 0.169	7.7 x 4.3	Superior Essex (6U, 12 fiber)	Black	240	0.61	100	21
		0.291 x 0.173	7.4 x 4.4	Superior Essex (6U, 24 fiber), (W7U)					

[1] Includes a 1/2" Standard Thimble **(Catalog Number: 00065474)**. The Standard Thimble weighs 0.12 lb
[2] Contact PLP for cable applications not shown
[3] Length x Width of the Flat Drop Cable cross-section
[4] This weight is for Drop Cable Dead-Ends without Thimbles. Carton weight increases approximately 12 lb for Drop Cable Dead-Ends with Thimbles.

Standard Thimble for FIBERLIGN Drop Cable Dead-Ends

1/2" Galvanized Steel Standard Thimble
(Catalog Number: 00065474)

Open Thimble for FIBERLIGN Drop Cable Dead-Ends

1/2" Galvanized Steel Open Thimble
(Catalog Number: 00066114)

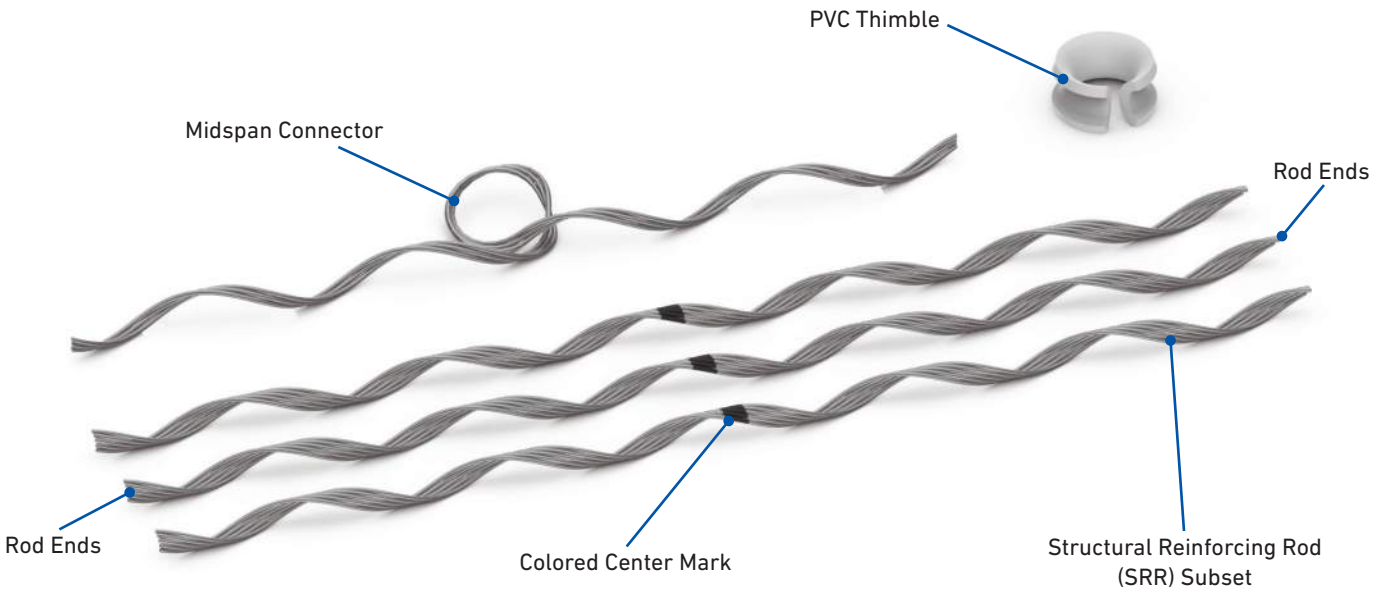
FIBERLIGN® ADSS MIDSPAN DROP

The **FIBERLIGN ADSS Midspan Drop** allows drop cables to be redirected from midspan when direct attachment from the pole to the premise is obstructed or restricted for clearance reasons. It can applied anywhere along the ADSS backbone cable as long as the cable is strong enough to endure the system side load requirements.

FEATURES AND BENEFITS

- Flexible formed wire design allows the Midspan Drop to be applied anywhere along the cable span
- Loop strength of 500 lb allows up to two drop cable attachments
- UV-protected PVC thimble provides a curved interface that allows dead-ends to be directly attached
- Structural reinforcing rod layer distributes loading and supports the cable bend radius to avoid signal attenuation
- Provides proper loop support for FIBERLIGN ADSS Drop Cable Dead-Ends

COMPONENTS

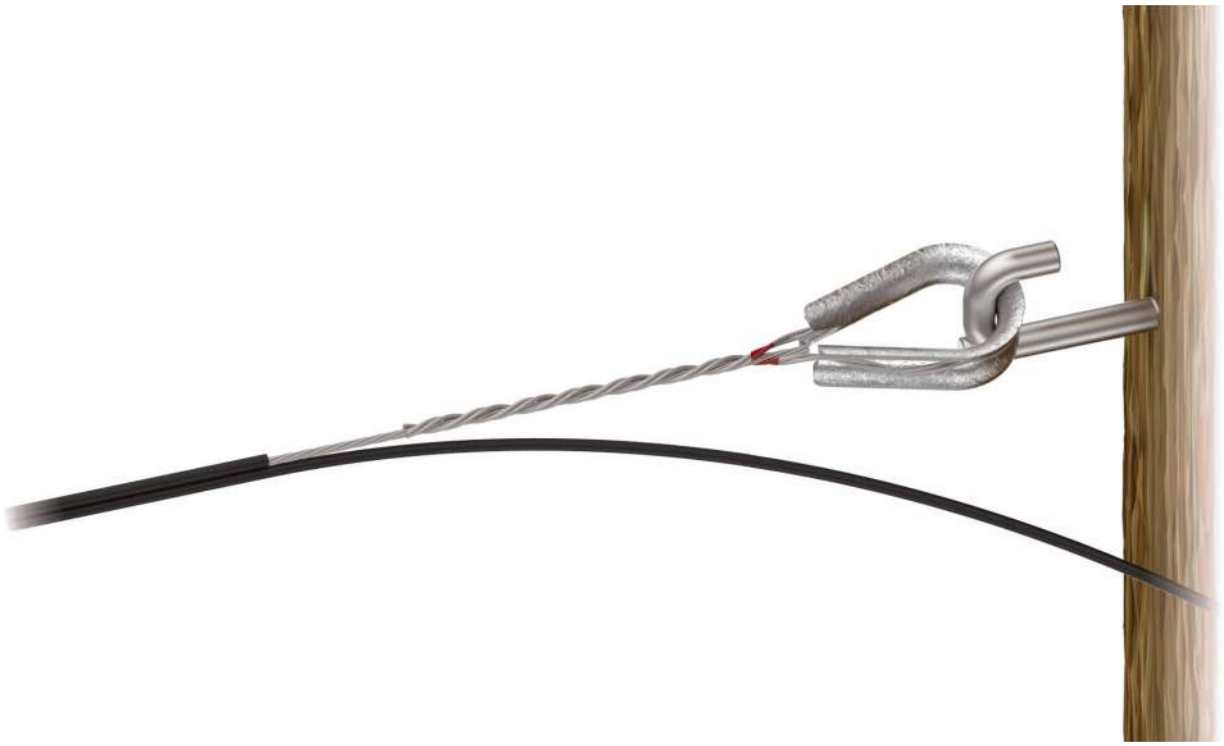


Component	Description
Midspan Connector	Installed onto the SRR; provides a loop attachment point
PVC Thimble	Reinforces the loop area of the midspan connector and provides the proper loop support for attached drop cable dead-ends
Structural Reinforcing Rod (SRR) Subsets	Protects the ADSS backbone cable from excessive bending and allows side loads to be applied to the cable without causing fiber attenuation
Colored Center Mark	Used to align the SRR subsets and the Midspan Connector; also used to identify the ADSS Midspan Drop's cable diameter range
Rod Ends	Special rod end treatment to prevent cable sheath damage

ORDERING INFORMATION

FIBERLIGN ADSS Midspan Drop

Catalog Number	Cable Diameter Range		Color Code	Length	
	in	mm		in	m
3800005	0.350 – 0.399	8.9 – 10.1	White	27	0.69
3800006	0.400 – 0.450	10.2 – 11.4	Red	27	0.69
3800007	0.451 – 0.509	11.5 – 12.9	Black	27	0.69
3800008	0.510 – 0.575	13.0 – 14.6	Blue	27	0.69
3800009	0.576 – 0.649	14.7 – 16.5	Orange	27	0.69
3800010	0.650 – 0.730	16.6 – 18.5	Green	27	0.69
3800011	0.731 – 0.820	18.6 – 20.8	Brown	27	0.69
3800012	0.821 – 0.920	20.9 – 23.4	Yellow	27	0.69
3800013	0.921 – 1.007	23.5 – 25.6	Purple	27	0.69
00070253	PVC Thimble Only				



FIBERLIGN® FIGURE 8 DROP CABLE DEAD-END

The **FIBERLIGN Figure 8 Drop Cable Dead-End** offers high-strength in a lightweight package. Simple to install, the dead-end is applied on the messenger component of the Figure 8 cable after separating the fiber component at the web.

FEATURES AND BENEFITS

- Designs available for high-adherence jacketed messenger or bare messenger applications
- Offered in galvanized steel or stainless steel to match the messenger strand
- Dead-end loop will fit a minimum diameter of 1" (25.4 mm) and a maximum of 1-5/8" (41.3 mm) to allow the dead-end to fit over common pole line hardware fittings
- Thimble option for proper loop support when attaching the dead-end to hooks or other types of fittings with diameters less than 1"
- Formed wire design allows messenger wires to pass through the dead-end without having to be cut to reduce the number of ground connections required

SPECIFICATIONS

FIBERLIGN® Figure 8 Drop Cable Dead-Ends are typically supported with metallic strength members and protected by an outer plastic sheath. A web joins the messenger component to the fiber optic component. Figure 8 Drop Cables are relatively small and have low load requirements for pole-to-pole distribution and pole-to-premises service drops. The typical span lengths are listed below.

CAUTION: Contact the cable manufacturer for specific capabilities to determine the proper sag and tension levels for your system.

FIBERLIGN Figure 8 Drop Cable Dead-End

Maximum Span Length[1]			
Distribution		Service Drop	
ft	m	ft	m
300	91	150	46

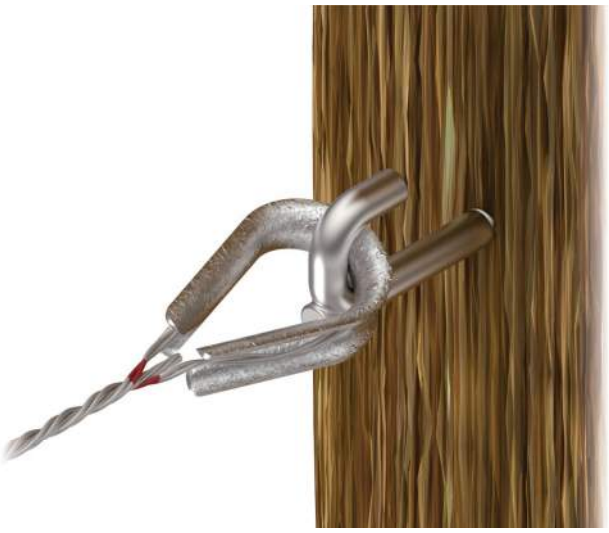
[1]Specifications listed are approximate and can vary by application.

ATTACHMENT FITTINGS

Thimbles can be used for fittings that may cause high stress in the loop of the dead-end. Thimbles are not required when the dead-end is installed on an optimal fitting that provides the proper loop support for the dead-end.

Optimal Fittings – No Thimble Required

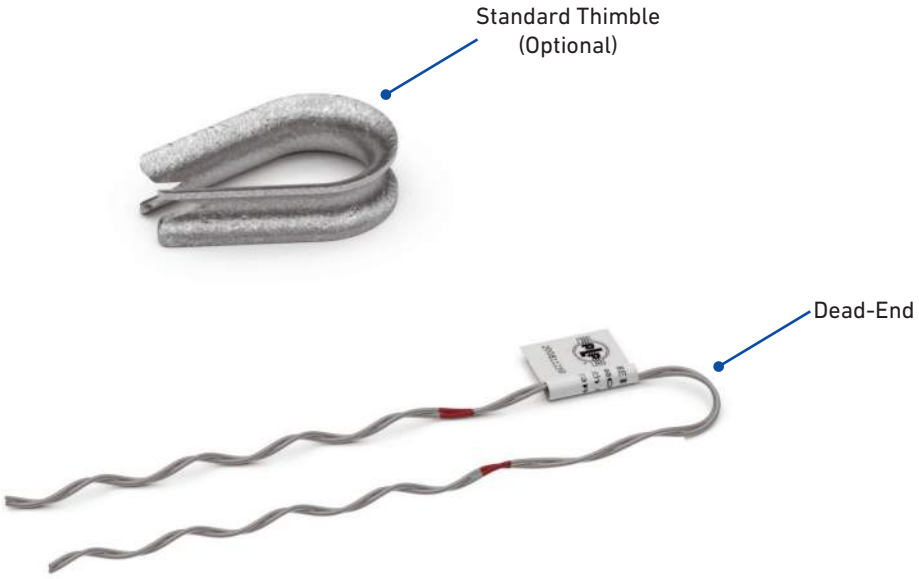
Fittings Requiring Thimble



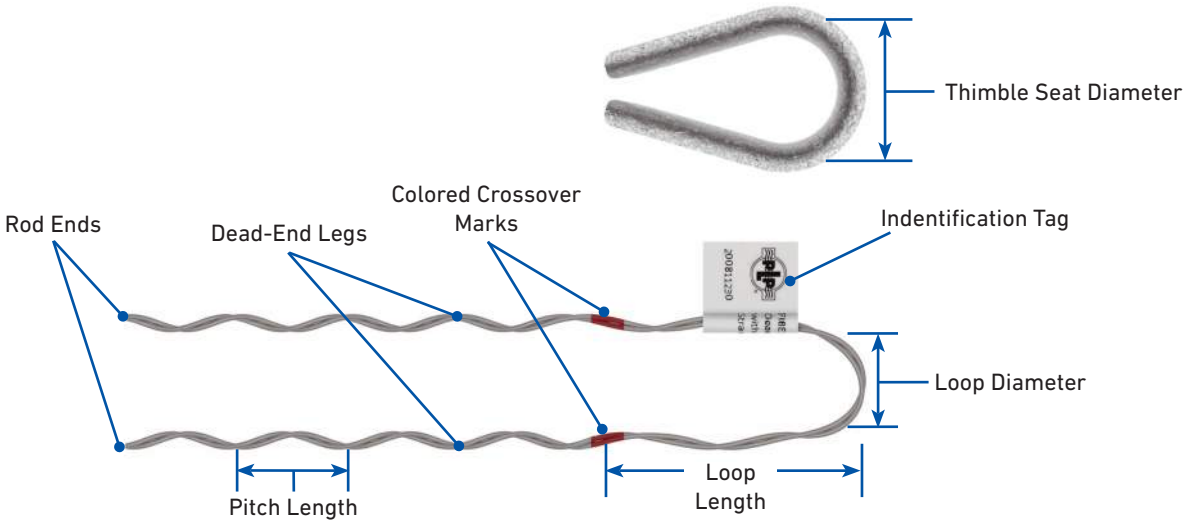
Installation with Thimble

Installation without Thimble

COMPONENTS



Component	Description
Identification Tag	Includes product description and application information
Colored Crossover Mark	Indicates where dead-end contact should begin and identifies the cable diameter range
Dead-End Legs	Wrap onto the cable beginning at the crossover mark
Rod Ends	Special rod end treatment to prevent cable sheath damage
Loop Diameter	Designed to interface with standard fittings
Loop Length	Length from the color mark to the end of the loop
Pitch Length	Distance along the leg that represents one complete wrap of the formed helix around the circumference of the cable (360 degrees)
Thimble Seat Diameter	Designed to fit the dead-end loop



ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Figure 8 Drop Cable Dead-End** based on the cable's bare messenger diameter unless the jacketed messenger performance has been confirmed. If the cable you are using does not fall within any of the published ranges, please contact PLP and provide the messenger strand specifications, including material type, lay direction, and rated strength to help with proper dead-end selection.

FIBERLIGN Figure 8 Drop Cable Dead-End

Catalog Number		Cable Information[2]			Color Code	Length	
without Thimble	with Thimble[1]	L x W [3]		Manufacturer			
		in	mm			in	m
200811230	200811230T	0.300 x 0.170	7.6 x 4.3	Prysmian	Red	8	0.20
699911619[4]	699911619T[4]	0.380 x 0.160	9.6 x 4.1	Corning	Yellow	13	0.33

[1] Includes a 1/2" Standard Thimble **(Catalog Number: 00065474)**. The Standard Thimble weighs 0.12 lb
[2] Contact PLP for cable applications not shown
[3] Length x Width of the Figure 8 Drop Cable cross-section
[4] Apply over jacket

Standard Thimble for FIBERLIGN Drop Cable Dead-Ends

1/2" Galvanized Steel Standard Thimble
(Catalog Number: 00065474)

APPLICATIONS

Bare Messenger

8" FIBERLIGN Figure 8 Drop Cable Dead-End with Thimble
(Catalog Number: 200811230T)

Over Jacket

13" FIBERLIGN Figure 8 Drop Cable Dead-End with Thimble
(Catalog Number: 699911619T)

FIBERLIGN® LITE TENSION DEAD-END

The **FIBERLIGN Lite Tension Dead-End** is a dielectric dead-end designed to terminate short span, low tension ADSS fiber optic cables in low-voltage environments. Its single-layer component design offers an economical solution for very light loads. The product effectively transfers the low axial load on the cable at the end of the dead-end legs to low uniform radial compression near the dead-end loop.

FEATURES AND BENEFITS

- Small diameter wires that comprise each dead-end are a mixture of aluminum and aluminum-clad steel that provide superior fatigue strength to ensure long-term performance
- Dead-end legs have a pliable latex coating and flared rod ends to avoid scoring or abrasion to the cable jacket during and after installation
- Dead-end loop will fit a minimum cable diameter of 1-1/2" (38.1 mm) and a maximum of 2-1/4" (57.1 mm)
- Designed to fit over common guy wire dead-end pole fittings
- Extended dead-end loop reduces the need for an extension link
- Optimized compact length that allows for fast and easy installation
- Can be used on most brands of ADSS cable that have low strengths and “standard” jackets

SPECIFICATIONS

The **FIBERLIGN® Lite Tension Dead-End** is designed for a cable system with light tensions and short spans that are not subjected to excessive operating conditions, cable motion, or high temperatures. The cable system specifications required for use are listed in the table below.

CAUTION: Contact the cable manufacturer for specific capabilities to determine the proper sag and tension levels for your system.

FIBERLIGN Lite Tension Dead-End

Cable System Requirements					
Maximum Span Length		Maximum Installation Tension[1] (MIT)		Maximum Loaded Tension[2] (MLT)	
ft	m	lb	kN	lb	kN
300	91	600	2.7	800	3.5

[1]Stringing/nominal axis /long-term
[2]Working/loaded axial /short-term

ATTACHMENT FITTINGS

The loop of the FIBERLIGN Lite Tension Dead-End will fit over a minimum diameter of 1-1/2" (38.1 mm) and a maximum diameter of 2-1/4" (57.1 mm). The dead-end is designed to fit over common guy wire dead-end pole fittings like thimble eyes and guy hooks. PLP offers the following attachment fittings that can be used with the FIBERLIGN Lite Tension Dead-End:

Thimbles

Catalog Number	Description	Minimum Seat Diameter	Minimum Groove Diameter	Material	Image
		in	in		
00065474	Standard Thimble	1-1/8	1/2	Galvanized Steel	
00066114	Open Thimble	1-9/64	1/2	Galvanized Steel	

NOTE: These thimbles are used with Drop Cable Dead-Ends and Lite Tension Dead-Ends ONLY.

Thimble Eye & Thimble Clevis

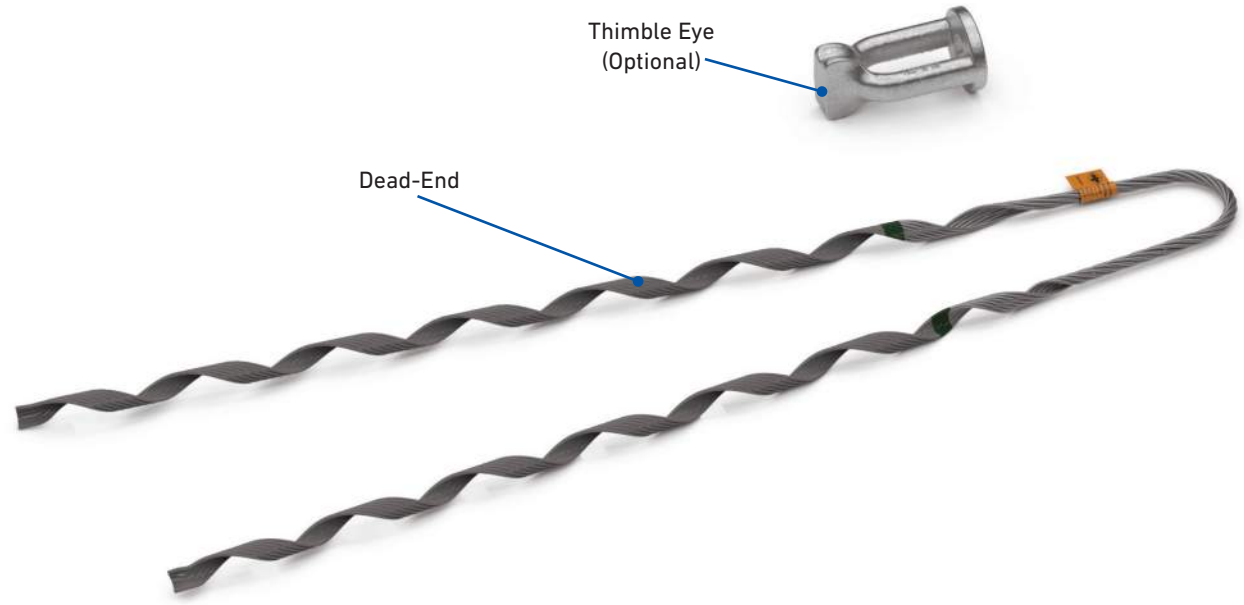
Catalog Number	Suffix Code	Description	Rated Strength		Minimum Seat Diameter	Minimum Groove Diameter	Material	Image
			lb	kN	in	in		
TE-5	TE	Thimble Eye	15,000	67	1-1/2	7/16	Galvanized Ductile Iron	
TC-FO[1]	C1	Thimble Clevis	13,000	58	2-1/4	7/8	Galvanized Ductile Iron	

[1]**Catalog Number: TC-5A** (Rated Strength: 12,000 lb/53 kN) Aluminum Thimble Clevis can be substituted for the **Catalog Number: TC-FO**. Contact PLP for more details.

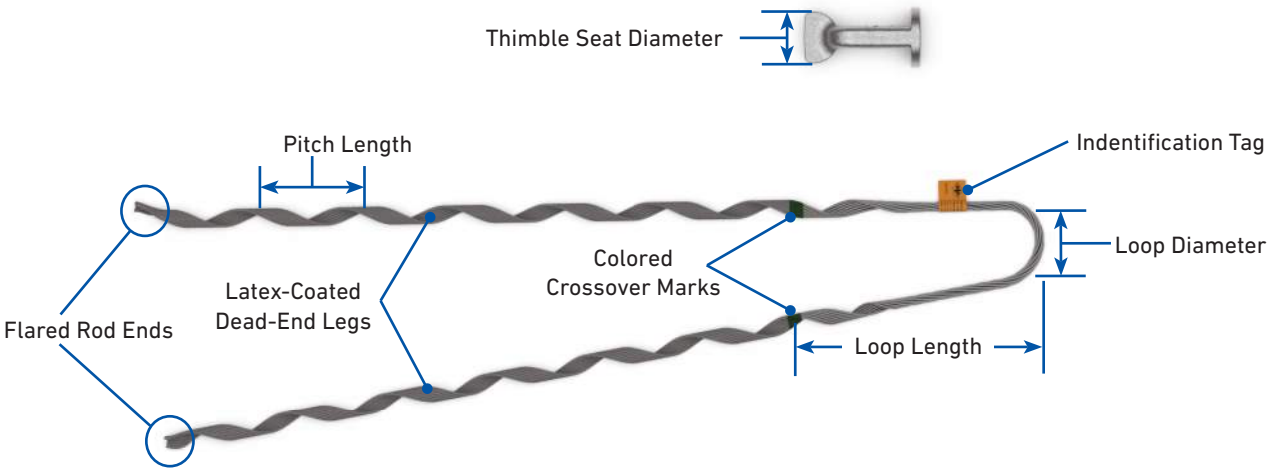
Eye Nut & Extension Link

Catalog Number	Suffix Code	Description	Rated Strength		Material	Image
			lb	kN		
EN-5	N	5/8" Eye Nut	12,500	67	Galvanized Ductile Iron	
71002366	E1	14" Extension Link with 5/8" Eye Nut	12,500	67	Galvanized Ductile Iron	

COMPONENTS



Component	Description
Identification Tag	Includes product description and application information
Colored Crossover Mark	Indicates where dead-end contact should begin and identifies the cable diameter range
Dead-End Legs	Wrap onto the cable beginning at the crossover mark
Latex Coating	Pliable coating applied over the dead-end legs
Flared Rod Ends	Special rod end treatment to prevent cable sheath damage
Loop Diameter	Formed diameter designed to interface with standard fittings
Loop Length	Length from the color mark to the end of the loop
Pitch Length	Distance along the leg that represents one complete wrap of the formed helix around the circumference of the cable (360 degrees)
Thimble Seat Diameter	Formed diameter designed to fit the dead-end loop



ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Lite Tension Dead-End** based on the diameter of the cable on which the dead-end will be installed. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

FIBERLIGN Lite Tension Dead-End

Catalog Number				Cable Diameter Range[1]		Color Code	Length	
Dead-End Only	Dead-End with Thimble Eye[2]	Dead-End with Thimble Clevis & Eye Nut[3]	Dead-End with Thimble Clevis & Extension Link[4]	in	mm		in	m
2875001	2875001TE	2875001C1N	2875001C1E1	0.375 – 0.414	9.5 – 10.5	Red	28	0.71
2875002	2875002TE	2875002C1N	2875002C1E1	0.415 – 0.459	10.6 – 11.6	Orange	31	0.79
2875003	2875003TE	2875003C1N	2875003C1E1	0.460 – 0.505	11.7 – 12.8	Green	33	0.84
2875004	2875004TE	2875004C1N	2875004C1E1	0.506 – 0.557	12.9 – 14.1	Pink	37	0.94
2875005	2875005TE	2875005C1N	2875005C1E1	0.558 – 0.615	14.2 – 15.6	Yellow	42	1.07
2875006	2875006TE	2875006C1N	2875006C1E1	0.616 – 0.680	15.7 – 17.3	Blue	45	1.14
2875007	2875007TE	2875007C1N	2875007C1E1	0.681 – 0.750	17.4 – 19.6	Brown	49	1.24

[1] Contact PLP for cable applications not shown
[2] Includes a Thimble Eye **(Catalog Number: TE-5)**. Mount the Thimble Eye with a 5/8" (16 mm) bolt and nut.
[3] Includes a Thimble Clevis **(Catalog Number: TC-FO)** and an 5/8" Eye Nut **(Catalog Number: EN-5)**.
[4] Includes a Thimble Clevis **(Catalog Number: TC-FO)** and an Extension Link with Eye Nut **(Catalog Number: 71002366)**.

INSTALLATION OPTIONS

Thimble Eye **(Catalog Number: TE-5)**

Thimble Clevis **(Catalog Number: TC-FO)** and 5/8" Eye Nut **(Catalog Number: EN-5)**

Thimble Clevis **(Catalog Number: TC-FO)** and Extension Link with 5/8" Eye Nut **(Catalog Number: 71002366)**

FIBERLIGN® DIELECTRIC DEAD-END

The **FIBERLIGN Dielectric Dead-End** product line has been designed to securely but gently terminate ADSS aerial fiber optic cable. A two-component design consisting of appropriate size and length of Structural Reinforcing Rods (SRR) and dead-end component transfers axial tensile loads and distributes radial compressive forces through the plastic jacket and onto the internal strength members without damaging the plastic jacket or internal optical fibers. To support various cable system load requirements, four types of dual-layer FIBERLIGN Dielectric Dead-Ends are offered: Limited, Medium, Semi-High, and High Tension.

FEATURES AND BENEFITS

Limited Tension Dead-Ends

- Includes short structural reinforcing rods
- Used on most brands of ADSS cable that have low strengths and "standard" jackets

Medium Tension Dead-Ends

- Includes moderate length structural reinforcing rods
- Used on "standard" and most "track-resistant" jacket types of ADSS cable*

Semi-High Tension Dead-Ends

- Includes extended length structural reinforcing rods to hold higher loads
- Used on most brands of ADSS cable that have "standard" jackets

High Tension Dead-Ends

- Includes custom length structural reinforcing rods
- Dead-end component matches specific tension application
- Used on all brands of high-strength circular ADSS cables that have "standard" and "track-resistant" jackets

*Contact PLP to verify acceptable "track-resistant" cables.

SPECIFICATIONS

Specific dead-end design and performance depends upon numerous factors, including cable brand and design, jacket type, load requirements, and environmental operating conditions, among others. Due to these factors, four types of **FIBERLIGN® Dielectric Dead-Ends** are offered: Limited, Medium, Semi-High, and High Tension. Respective cable system requirements are listed below to help select the appropriate dead-end type.

CAUTION: Contact the cable manufacturer for specific capabilities to determine the proper sag and tension levels for your system.

FIBERLIGN Dielectric Dead-End

Dead-End Type	Maximum Installation Tension[1] (MIT)		Maximum Loaded Tension[2] (MLT)		Compatible with "Track-Resistant" Cables
	lb	kN	lb	kN	
Limited[3]	1,000	4.4	2,500	11.1	No
Medium	2,000	8.9	4,000	17.8	Yes
Semi-High	4,000	17.8	7,500	33.4	No
High	2,000	8.9	4,000	17.8	Yes

[1]Stringing/nominal axis /long-term
[2]Working/loaded axial /short-term
[3]Span rating: 600 ft

Cable Systems with Figure 8 Fiber Optic Cable

For all-dielectric messengers, the messenger with jacket intact is separated from the fiber bundle and a two-piece dielectric dead-end is applied over the jacketed messenger. For metallic messengers, a conventional strand dead-end is applied directly to the bare messenger. Consult PLP for specifics for either style messenger.

NOTE: General load ratings are established to help selection; however, maximum holding performance will vary by cable brand and operating conditions. Therefore, no specific holding strength rating is possible.

ATTACHMENT FITTINGS

All **FIBERLIGN® Dielectric Dead-Ends** require a proper size and strength Thimble Clevis with Extension Link and connecting fitting. The optional Banding Bracket can be used to attach the dead-ends to concrete or steel poles.

Thimble Clevises

Catalog Number	Suffix Code	Rated Strength		Minimum Seat Diameter	Minimum Groove Diameter	Material	Recommended FIBERLIGN Dielectric Dead-End Type
		lb	kN	in	in		
TC-FO[1]	C1	13,000	58	2-1/4	7/8	Galvanized Ductile Iron	Limited or Medium Tension
ATC-20M	C2	20,000	89	3	1-1/2	Aluminum	High Tension
TC-6F	C4	42,400	188	2-1/2	1-1/16	Galvanized Ductile Iron	High Tension

[1] **Catalog Number: TC-5A** (Rated Strength: 12,000 lb/53 kN) Aluminum Thimble Clevis can be substituted for the **Catalog Number: TC-FO**. Contact PLP for more details.

Catalog Number: TC-FO
13,000 lb Thimble Clevis (Suffix Code C1)

Catalog Number: ATC-20M
20,000 lb Thimble Clevis (Suffix Code C2)

Catalog Number: TC-6F
42,400 lb Thimble Clevis (Suffix Code C4)

Extension Links

Catalog Number	Suffix Code	Rated Strength		Length	Material	Recommended FIBERLIGN Dielectric Dead-End Type
		lb	kN	in		
71002366[1]	E1	12,500	67	14	Galvanized Ductile Iron	Limited, Medium, or High Tension
LCE-66-14	E2	25,000	111	14	Galvanized Ductile Iron	High Tension

[1] Includes a 5/8" Eye Nut

Catalog Number: 71002366
12,500 lb 14" Extension Link with 5/8" Eye Nut (Suffix Code E1)

Catalog Number: LCE-66-14
25,000 lb 14" Extension Link (Suffix Code E2)

Banding Bracket Kits

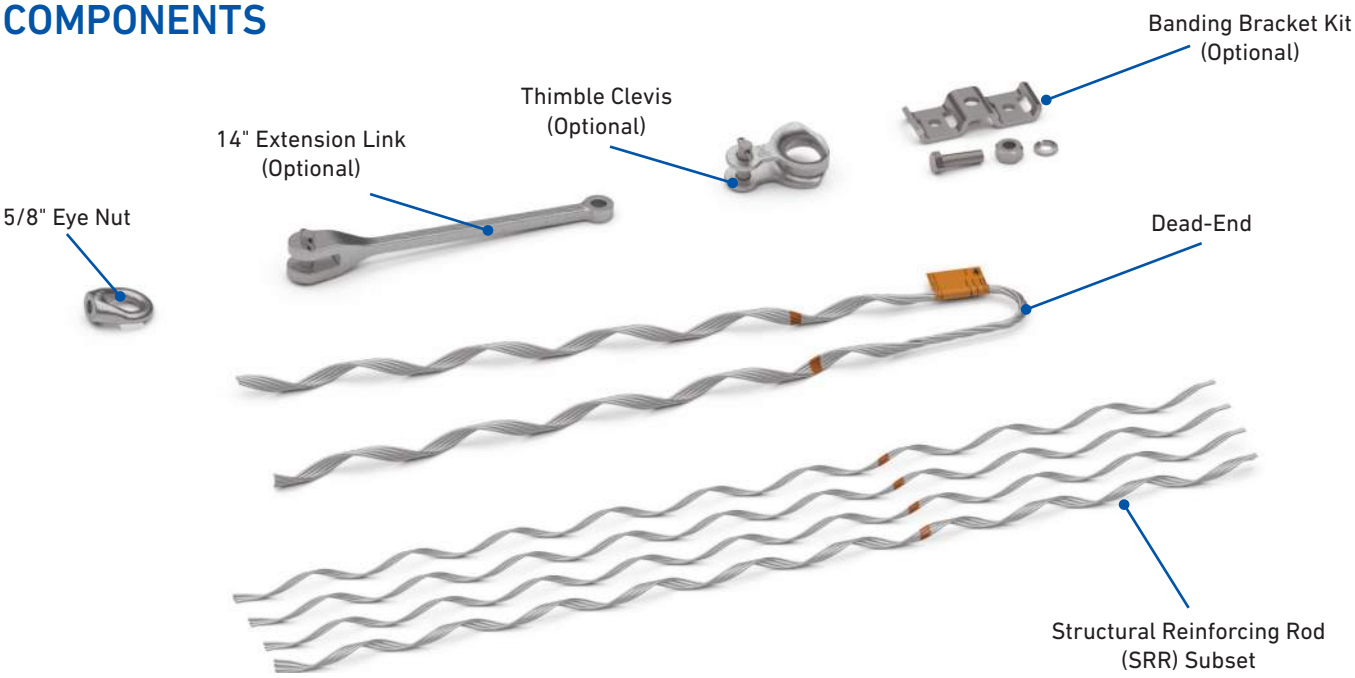
Catalog Number	Suffix Code	Rated Strength		Recommended FIBERLIGN Dielectric Dead-End Type	Kit Contents
		lb	kN		
710010578[1]	B1	5,000	22	Limited Tension	5/8"-11 x 2" Bolt, 5/8" Lock-Washer, 5/8" Hex Nut, and Banding Bracket
710010745[2]		12,000	53	Medium, Semi-High, or High Tension	5/8"-11 x 2" Bolt, 5/8" Lock-Washer, 5/8" Hex Nut, and Banding Bracket

[1] One high-strength 1-1/4" wide steel band is required to secure the banding bracket to a concrete or steel pole. (Banding material not included).
[2] Two high-strength 1-1/4" wide steel bands are required to secure the banding bracket to a concrete or steel pole. (Banding material not included).

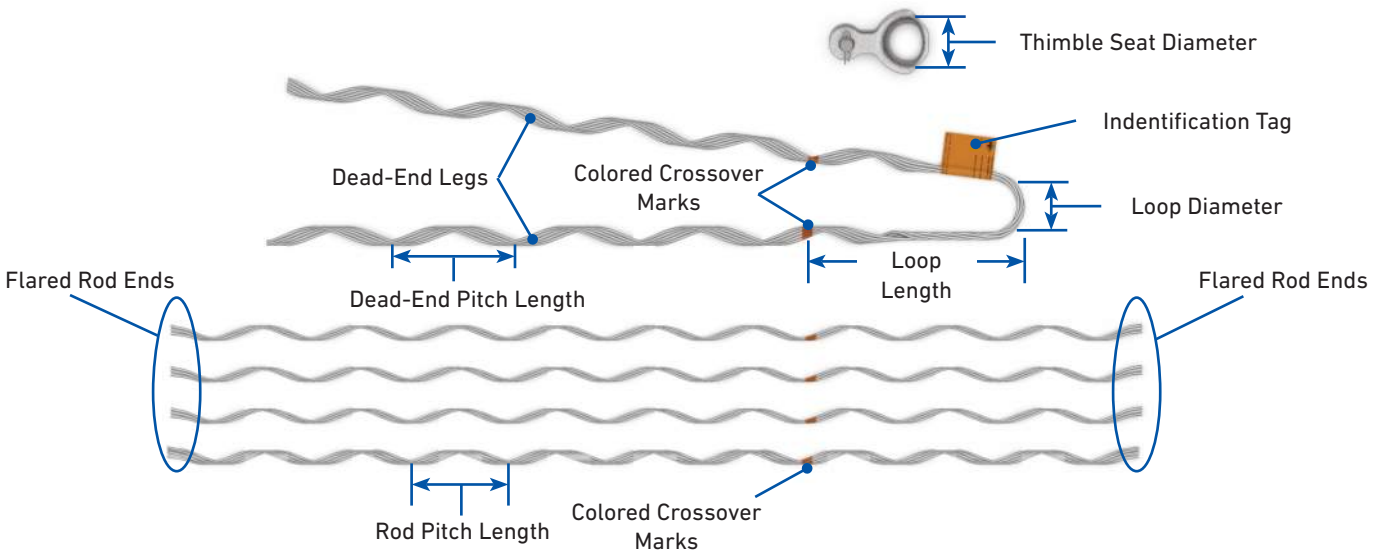
Catalog Number: 710010578
Banding Bracket Kit (Suffix Code B1)

Catalog Number: 710010745
Banding Bracket Kit (Suffix Code B1)

COMPONENTS



Component	Description
Identification Tag	Tag includes product description and application information
Colored Crossover Mark	Indicates where dead-end contact should begin and identifies the cable diameter range
Dead-End Legs	Wrap onto the structural reinforcing rods beginning at the crossover mark
Flared Rod Ends	Special rod end treatment to prevent cable sheath damage
Loop Diameter	Formed diameter designed to interface with standard fittings
Loop Length	Length from the color mark to the end of the loop
Rod Pitch Length	Represents one complete wrap of the formed helix around the circumference of the cable (360 degrees)
Dead-End Pitch Length	Represents one complete wrap of the formed helix around the circumference of the structural reinforcing rods (360 degrees)
Thimble Seat Diameter	Formed diameter designed to fit the dead-end loop



ORDERING INFORMATION – LIMITED TENSION

Select the appropriate **FIBERLIGN® Limited Tension Dead-End** based on the diameter of the cable on which the dead-end will be installed. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

NOTE: A thimble clevis and an extension link is required for two-layer dead-ends to provide proper cable bend radius near the pole.

CAUTION: Some ADSS cables are not suitable for use with Limited Tension Dead-Ends. Limited Tension Dead-Ends are not recommended for "track-resistant" jacket applications.

FIBERLIGN Limited Tension Dead-End

Catalog Number[1]			Cable Diameter Range[2]		Color Code	Length
Dead-End Only	Dead-End with Thimble Clevis[3]	Dead-End with Thimble Clevis & Extension Link[4]	in	mm		in (m)
2872000	2872000C1	2872000C1E1	0.370 – 0.399	9.4 – 10.1	Purple	48 (1.2)
2872001	2872001C1	2872001C1E1	0.400 – 0.424	10.1 – 10.7	Black	48 (1.2)
2872002	2872002C1	2872002C1E1	0.425 – 0.451	10.8 – 11.4	Yellow	48 (1.2)
2872003	2872003C1	2872003C1E1	0.452 – 0.481	11.5 – 12.2	Green	48 (1.2)
2872004	2872004C1	2872004C1E1	0.482 – 0.510	12.3 – 12.9	Orange	48 (1.2)
2872005	2872005C1	2872005C1E1	0.511 – 0.542	13.0 – 13.7	Blue	48 (1.2)
2872006	2872006C1	2872006C1E1	0.543 – 0.577	13.8 – 14.6	White	48 (1.2)
2872007	2872007C1	2872007C1E1	0.578 – 0.613	14.7 – 15.5	Red	48 (1.2)
2872008	2872008C1	2872008C1E1	0.614 – 0.651	15.6 – 16.5	Black	48 (1.2)
2872009	2872009C1	2872009C1E1	0.652 – 0.692	16.6 – 17.5	Yellow	48 (1.2)
2872010	2872010C1	2872010C1E1	0.693 – 0.737	17.6 – 18.7	Green	48 (1.2)
2872011	2872011C1	2872011C1E1	0.738 – 0.784	18.8 – 19.9	Orange	48 (1.2)
2872012	2872012C1	2872012C1E1	0.785 – 0.834	20.0 – 21.1	Blue	48 (1.2)
2872013	2872013C1	2872013C1E1	0.835 – 0.889	21.2 – 22.5	White	48 (1.2)
2872014	2872014C1	2872014C1E1	0.890 – 0.945	22.6 – 24.0	Red	48 (1.2)
2872015	2872015C1	2872015C1E1	0.946 – 1.007	24.1 – 25.5	Black	48" (1.2)
2872016	2872016C1	2872016C1E1	1.008 – 1.073	25.6 – 27.2	Yellow	60 (1.5)
2872017	2872017C1	2872017C1E1	1.074 – 1.140	27.3 – 28.9	Green	60 (1.5)
2872018	2872018C1	2872018C1E1	1.141 – 1.212	29.0 – 30.7	Orange	60"(1.5)
2872019	2872019C1	2872019C1E1	1.213 – 1.288	30.8 – 32.5	Blue	60 (1.5)

[1] To include a Banding Bracket Kit with any of the Limited Tension Dead-Ends listed, add the suffix code "B1". For example, **Catalog Number: 2872001C1E1B1** includes the Limited Tension Dead-End, a Thimble Clevis **(Catalog Number: TC-FO)**, a 14" Extension Link with 5/8" Eye Nut **(Catalog Number: 71002236)**, and a Banding Bracket Kit **(Catalog Number: 710010578)**

[2] Contact PLP for cable applications not shown

[3] Includes a Thimble Clevis **(Catalog Number: TC-FO)**

[4] Includes a Thimble Clevis **(Catalog Number: TC-FO)** and a 12,500 lb Extension Link with a 5/8" Eye Nut **(Catalog Number: 71002236)**

FIBERLIGN Limited Tension Dielectric Dead-End
Installed on Wood Pole with Thimble Clevis and Extension Link

ORDERING INFORMATION – MEDIUM TENSION

Select the appropriate **FIBERLIGN® Medium Tension Dead-End** based on the diameter of the cable on which the dead-end will be installed. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

NOTE: A thimble clevis and an extension link is required for two-layer dead-ends to provide proper cable bend radius.

FIBERLIGN Medium Tension Dead-End

Catalog Number[1]			Cable Diameter Range[2]		Color Code	Length
Dead-End Only	Dead-End with Thimble Clevis[3]	Dead-End with Thimble Clevis & Extension Link[4]	in	mm		in (m)
2872099	2872099C1	2872099C1E1	0.452 – 0.481	11.5 – 12.2	Green	85 (2.2)
2872100	2872100C1	2872100C1E1	0.482 – 0.510	12.3 – 12.9	Orange	85 (2.2)
2872101	2872101C1	2872101C1E1	0.511 – 0.542	13.0 – 13.7	Blue	85 (2.2)
2872102	2872102C1	2872102C1E1	0.543 – 0.577	13.8 – 14.6	White	85 (2.2)
2872103	2872103C1	2872103C1E1	0.578 – 0.613	14.7 – 15.5	Red	85 (2.2)
2872104	2872104C1	2872104C1E1	0.614 – 0.651	15.6 – 16.5	Black	85 (2.2)
2872105	2872105C1	2872105C1E1	0.652 – 0.692	16.6 – 17.5	Yellow	85 (2.2)
2872106	2872106C1	2872106C1E1	0.693 – 0.737	17.6 – 18.7	Green	85 (2.2)
2872107	2872107C1	2872107C1E1	0.738 – 0.784	18.8 – 19.9	Orange	85 (2.2)
2872108	2872108C1	2872108C1E1	0.785 – 0.834	20.0 – 21.1	Blue	90 (2.3)
2872109	2872109C1	2872109C1E1	0.835 – 0.889	21.2 – 22.5	White	90 (2.3)
2872110	2872110C1	2872110C1E1	0.890 – 0.945	22.6 – 24.0	Red	95 (2.4)
2872111	2872111C1	2872111C1E1	0.946 – 1.007	24.1 – 25.5	Black	95 (2.4)
2872112	2872112C1	2872112C1E1	1.008 – 1.073	25.6 – 27.2	Purple	97 (2.5)
2872113	2872113C1	2872113C1E1	1.074 – 1.140	27.3 – 28.9	Pink	100 (2.5)
2872114	2872114C1	2872114C1E1	1.141 – 1.212	29.0 – 30.7	Brown	103 (2.6)
2872115	2872115C1	2872115C1E1	1.213 – 1.288	30.8 – 32.5	Orange	105 (2.7)

[1] To include a Banding Bracket Kit with any of the Medium Tension Dead-Ends listed, add the suffix code "B1". For example, **Catalog Number: 2872100C1E1B1** includes the Limited Tension Dead-End, a Thimble Clevis **(Catalog Number: TC-FO)**, a 12,500 lb Extension Link with 5/8" Eye Nut **(Catalog Number: 71002236)**, and a Banding Bracket Kit **(Catalog Number: 710010745)**

[2] Contact PLP for cable applications not shown

[3] Includes a Thimble Clevis **(Catalog Number: TC-FO)**

[4] Includes a Thimble Clevis **(Catalog Number: TC-FO)** and a 12,500 lb strength Extension Link with a 5/8" Eye Nut **(Catalog Number: 71002236)**

FIBERLIGN Medium Tension Dielectric Dead-End
Installed on Steel Pole with Thimble Clevis, Extension Link, and Banding Bracket

ORDERING INFORMATION – SEMI-HIGH TENSION

Select the appropriate **FIBERLIGN® Semi-High Tension Dead-End** based on the diameter of the cable on which the dead-end will be installed. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

NOTE: A thimble clevis and an extension link is required for two-layer dead-ends to provide proper cable bend radius.

FIBERLIGN Semi-High Tension Dead-End

Catalog Number[1]	Cable Diameter Range[2]		Color Code	Length
Dead-End with Thimble Clevis & Extension Link[3]	in	mm		in (m)
2872200C1E1	0.482 – 0.510	12.3 – 12.9	Orange	87 (2.2)
2872201C1E1	0.511 – 0.542	13.0 – 13.7	Blue	89 (2.3)
2872202C1E1	0.543 – 0.577	13.8 – 14.6	White	91 (2.3)
2872203C1E1	0.578 – 0.613	14.7 – 15.5	Red	93 (2.4)
2872204C1E1	0.614 – 0.651	15.6 – 16.5	Black	95 (2.4)
2872205C1E1	0.652 – 0.692	16.6 – 17.5	Yellow	97 (2.5)
2872206C1E1	0.693 – 0.737	17.6 – 18.7	Green	100 (2.5)
2872207C1E1	0.738 – 0.784	18.8 – 19.9	Orange	102 (2.6)
2872208C1E1	0.785 – 0.834	20.0 – 21.1	Blue	105 (2.7)
2872209C1E1	0.835 – 0.889	21.2 – 22.5	White	108 (2.7)
2872210C1E1	0.890 – 0.945	22.6 – 24.0	Red	112 (2.8)
2872211C1E1	0.946 – 1.007	24.1 – 25.5	Black	115 (2.9)
2872212C1E1	1.008 – 1.073	25.6 – 27.2	Purple	119 (3.0)
2872213C1E1	1.074 – 1.140	27.3 – 28.9	Pink	121 (3.1)
2872214C1E1	1.141 – 1.212	29.0 – 30.7	Brown	124 (3.1)
2872215C1E1	1.213 – 1.288	30.8 – 32.5	Orange	129 (3.3)

[1] To include a Banding Bracket Kit with any of the Semi-High Tension Dead-Ends listed, add the suffix code "B1". For example, **Catalog Number: 2872200C1E1B1** includes the Limited Tension Dead-End, a Thimble Clevis **(Catalog Number: TC-FO)**, a 12,500 lb Extension Link with 5/8" Eye Nut **(Catalog Number: 71002236)**, and a Banding Bracket Kit **(Catalog Number: 710010745)**

[2] Contact PLP for cable applications not shown

[3] Includes a Thimble Clevis **(Catalog Number: TC-FO)** and a 12,500 lb Extension Link with a 5/8" Eye Nut **(Catalog Number: 71002236)**

FIBERLIGN Semi-High Tension Dielectric Dead-End
Installed on Wood Pole with Thimble Clevis and Extension Link

ORDERING INFORMATION – HIGH TENSION

FIBERLIGN® High Tension Dead-Ends are custom designed for more stringent holding requirements that have extreme operating conditions, typically in combination with high loads and longer spans. Cables exposed to high-temperature climates require special attention as they are more difficult to hold.

Catalog numbers for High Tension Dead-Ends are not published, rather they are provided upon review by PLP's Technical Support Team. Cable specifications including sag/tension and cable system information are required in order to provide the custom design. Submit the required information listed in the chart to PLP's Technical Support Team (email: inquiries@plp.com, Phone: 440-461-5200).

FIBERLIGN High Tension Dead-End Technical Specifications for Submittal

Technical Specification	Requirement	Description	Required for Submittal
Cable	OD	Nominal outer diameter of cable	Yes
	Standard or Track-Resistant Jacket	"Standard" jacketed cable is used in communication applications and most power distribution applications. "Track-resistant" jackets are provided for high-voltage applications.	Yes
	MIT	Maximum Installation Tension	Yes
	MLT	Maximum Loaded Tension (per local ice and wind conditions). This may be referred to as maximum operating load.	Yes
	MRCL	Maximum Rated Cable Load. Exceeding this load may cause permanent strain to the fiber.	Yes
	RBS	Rated Breaking Strength of the cable is estimated by the cable manufacturer.	Yes
	Percent Installation Sag	Installation sag that is used to establish sag and tension data	Optional
	Sag/Tension Tables	Calculated tension levels for MIT and MLT with respect to system span length and installation sag percentage	Yes
Cable System	Geographic Location	The geographic location helps identify the loading condition as established by the National Electric Safety Code (NESC).	Yes
	Pole Space Location	Vertical location on the pole – Communication Space or Utility "Supply" Space	Optional
	Power Line Voltage	Line voltage above 69 kV may require corona protection.	Yes
	Average Span Length	Span length that represents the majority of the system installation. Ruling span can be a good reference.	Yes
	Maximum Span Length	Maximum span length is typically associated with critical crossings such as highways or rivers. Usually this can be isolated to a few spans.	Yes
	Structure Type	Wood, concrete, or metal pole and lattice towers	Optional
	Structure Interface	Vang, 5/8" bolt, banding, etc. This helps determine fittings needed to connect the dead-end to the structure.	Yes

DIELECTRIC DEAD-END ACCESSORIES

Catalog Number: 70007571
Formed Wire Installation Device

FIBERLIGN® TANGENT SUPPORT

The **FIBERLIGN® Tangent Support (FTS)** offers another method of supporting ADSS drop cables with excellent unbalance load capability and bend relief support. This product is designed to connect directly to J-hooks for a economical alternative. One FTS can reduce pole clutter by replacing two dead-end and J-hook connections. For multi-cable attachments, an elongated loop version of the FTS is available. The elongated loop FTS allows vertically spaced cables to be suspended from the same J-hook.

FEATURES AND BENEFITS

- Used with round-profile and flat drop ADSS cables
- Reduces pole space by using a standard and an elongated tangent support on a single J-hook to support multiple cables
- Supports span lengths up to 300 ft (91 m) NESC Heavy
- Supports line angles up to 20 degrees
- Capable of handling unbalanced loads of 100 lb to 200 lb, depending on the cable diameter
- Made of corrosion-resistant materials

SPECIFICATIONS AND COMPONENTS

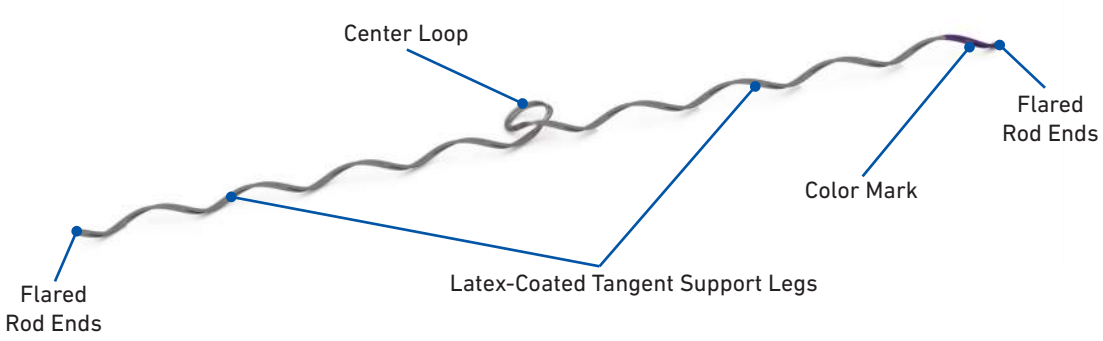
The tangent support performance depends upon the specific cable outer diameter initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Tangent Support** is designed for a cable system with light tensions and short spans. The following cable system specifications are required to use FIBERLIGN Tangent Support:

FIBERLIGN Tangent Support

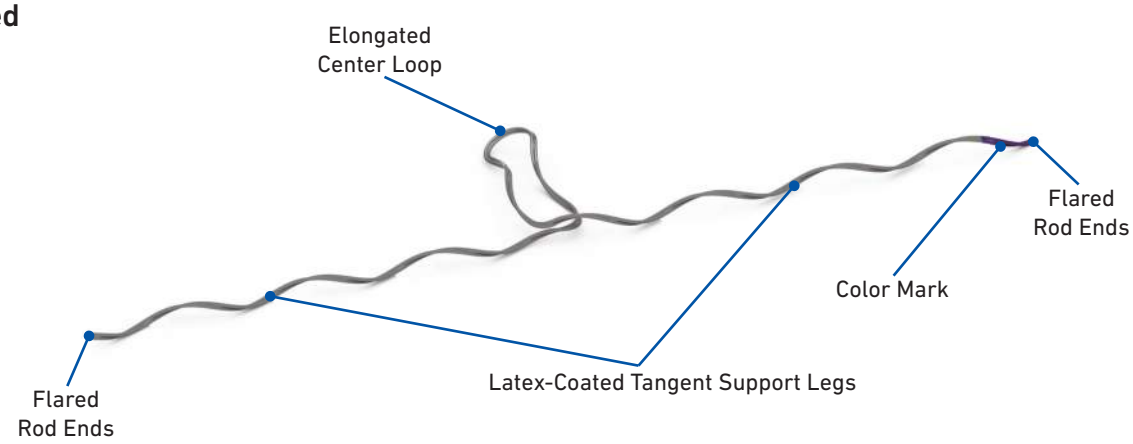
Cable System Requirements					
Maximum Span Length[1]		Maximum Unbalanced Load[2]		Maximum Line Angle[3]	
ft	m	lb	kN	lb	kN
300	91	100 – 200	0.4 – 0.9	800	3.5

[1] NESC Heavy
[2] Load is provided as a range because it is dependent upon cable diameter
[3] Consult PLP for exceptions

Standard



Elongated



Feature	Description
Center Loop	Provides an attachment point to the J-hook
Tangent Support Legs	Wrap onto the cable beginning at the center loop crossover point
Latex Coating	Pliable coating applied over the dead-end legs
Colored Mark	Used to identify the Tangent Support's cable diameter range
Flared Rod Ends	Special rod end treatment to prevent cable sheath damage

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Tangent Support - Standard** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

FIBERLIGN Tangent Support – Standard

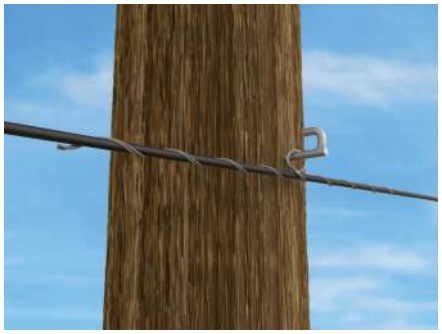
Round-Profile Drop Cables

Catalog Number	Cable Diameter Range		Color Code	Length	
	in	mm		in	mm
6126001	0.251 – 0.260	6.4 – 6.6	Red	18	457
6126002	0.261 – 0.270	6.7 – 6.8	Blue	19	483
6126003	0.271 – 0.280	6.9 – 7.1	Green	19	483
6126004	0.281 – 0.290	7.2 – 7.4	None	20	508
6126005	0.291 – 0.300	7.5 – 7.6	Pink	20	508
6126006	0.301 – 0.310	7.7 – 7.9	Yellow	20	508
6126007	0.311 – 0.320	8.0 – 8.1	Orange	20	508
6126008	0.321 – 0.330	8.3 – 8.4	Red	23	584
6126009	0.331 – 0.341	8.5 – 8.7	Blue	23	584
6126010	0.342 – 0.350	8.8 – 8.9	Green	24	610
6126011	0.351 – 0.360	9.0 – 9.1	None	25	635
6126012	0.361 – 0.370	9.2 – 9.4	Pink	26	660
6126013	0.371 – 0.380	9.5 – 9.7	Yellow	27	686
6126014	0.381 – 0.390	9.8 – 9.9	Orange	27	686
6126015	0.391 – 0.400	9.9 – 10.2	Red	27	686

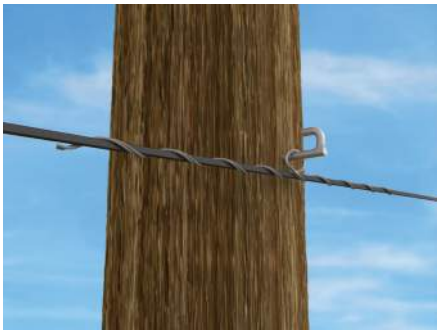
Flat Drop Cables

Catalog Number	Cable Dimensions		Manufacturer	Color Code	Length	
	L x W[1]					
	in	mm			in	mm
6126010	0.310 x 0.170	7.9 x 4.3	OFS	Green	24	610
6126012	0.320 x 0.170	8.1 x 4.5	Corning	Purple	26	660
6126013	0.330 x 0.170	8.3 x 4.3	Prysmian	Yellow	27	686
612612245	0.460 x 0.195	11.7 x 5.0	REMEE	Yellow	27	686

[1] Length x Width of the Flat Drop Cable cross section



Standard Tangent Support with Round Drop Cable



Standard Tangent Support with Flat Drop Cable

ORDERING INFORMATION

Select the appropriate **FIBERLIGN Tangent Support - Elongated** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

FIBERLIGN Tangent Support – Elongated

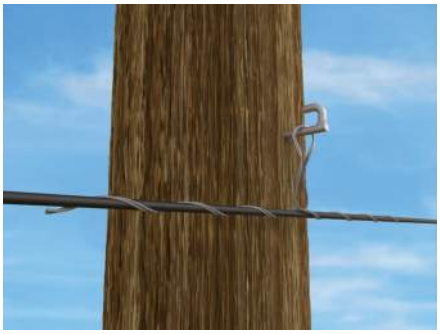
Round-Profile Drop Cables

Catalog Number	Cable Diameter Range		Color Code	Length	
	in	mm		in	mm
6126001XL	0.251 – 0.260	6.4 – 6.6	Red	18	457
6126002XL	0.261 – 0.270	6.7 – 6.8	Blue	19	483
6126003XL	0.271 – 0.280	6.9 – 7.1	Green	19	483
6126004XL	0.281 – 0.290	7.2 – 7.4	None	20	508
6126005XL	0.291 – 0.300	7.5 – 7.6	Pink	20	508
6126006XL	0.301 – 0.310	7.7 – 7.9	Yellow	20	508
6126007XL	0.311 – 0.320	8.0 – 8.1	Orange	20	508
6126008XL	0.321 – 0.330	8.3 – 8.4	Red	23	584
6126009XL	0.331 – 0.341	8.5 – 8.7	Blue	23	584
6126010XL	0.342 – 0.350	8.8 – 8.9	Green	24	610
6126011XL	0.351 – 0.360	9.0 – 9.1	None	25	635
6126012XL	0.361 – 0.370	9.2 – 9.4	Pink	26	660
6126013XL	0.371 – 0.380	9.5 – 9.7	Yellow	27	686
6126014XL	0.381 – 0.390	9.8 – 9.9	Orange	27	686
6126015XL	0.391 – 0.400	9.9 – 10.2	Red	27	686

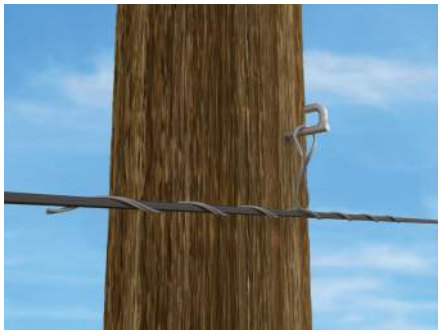
Flat Drop Cables

Catalog Number	Cable Dimensions			Color Code	Length	
	L x W[1]		Manufacturer			
	in	mm			in	mm
6126009XL	0.310 x 0.150	7.9 x 3.8	DRAKA	Blue	23	584
6126010XL	0.310 x 0.170	7.9 x 4.3	OFS	Green	24	610
6126012XL	0.330 x 0.170	8.4 x 4.3	Corning	Purple	26	660
6126013XL	0.330 x 0.200	8.4 x 5.1	Prysmian	Yellow	27	686

[1] Length x Width of the Flat Drop Cable cross-section



Elongated Tangent Support with Round-Profile Cable



Elongated Tangent Support with Flat Drop Cable

FIBERLIGN® LITE SUPPORT

The **FIBERLIGN Lite Support (FLS)** system is designed to gently but firmly support ADSS cable. It is intended for tangent support installations on lines that feature low voltages, very short spans, and low mechanical loads.

FEATURES AND BENEFITS

- Can be used with standard ADSS cables as well as round-profile and flat drop ADSS cables
- Dual inserts can support two standard ADSS cables; multiple ADSS drop cables; or one standard ADSS cable and multiple ADSS flat drop cables
- Housings can be stacked to add more cables within the same pole space
- Mounts to a pole with a 5/8" through bolt or with 3/4" wide high-strength banding
- Supports span lengths up to 300 ft (91 m) NESC Heavy
- Supports line angles up to 20 degrees for most applications
- Housing halves are made from a high-strength, dielectric urethane material
- Inserts are made from a soft, pliable dielectric material that gently grips and cushions the cable within the housing
- Highly abrasive-resistant surface of the housing allows it to be used as a stringing traveler at the structure

SPECIFICATIONS

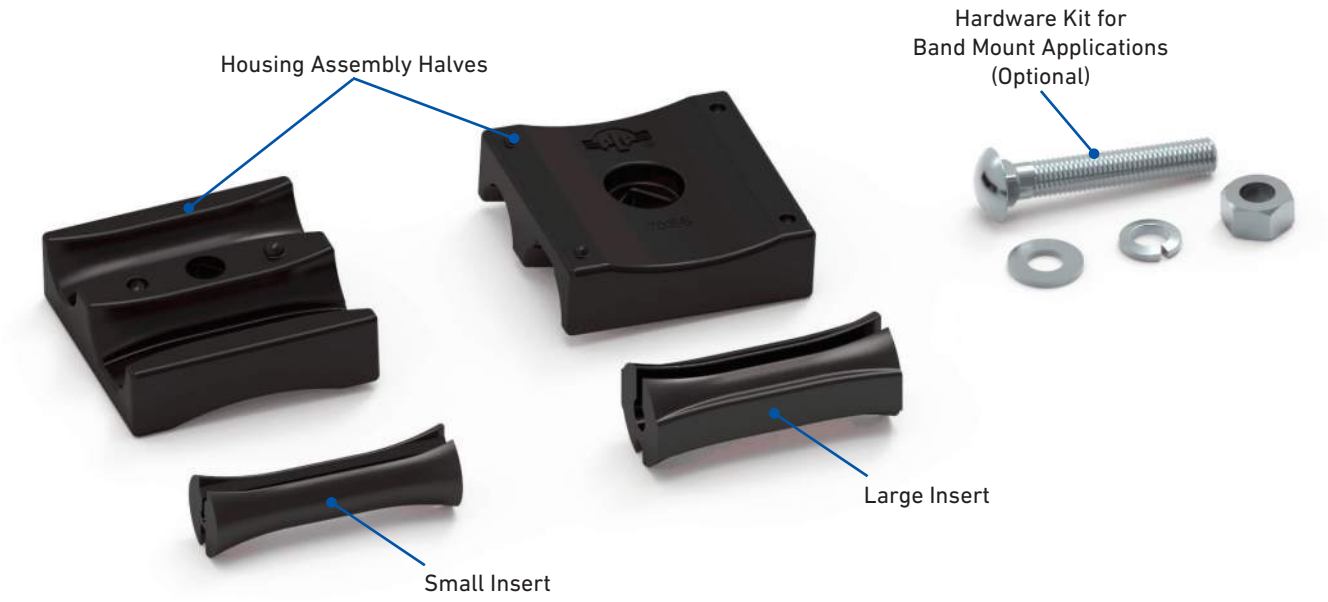
The support performance depends upon the specific cable outer diameter, initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Lite Support** is designed for a cable system with light tensions and short spans.

FIBERLIGN Lite Support

Cable System Requirements			
Maximum Span Length[1]		Maximum Line Angle for Stringing Operations[2]	Maximum Line Angle for Permanent Installations[2]
ft	m	degrees	
300	91	10	20

[1] NESC Heavy
[2] Consult PLP for exceptions

COMPONENTS



Component	Description
Housing Assembly Halves	Designed to hold either the small or large insert. Large cavity is also designed for stringing in cable and is capable of handling up to a 1-1/4" (32 mm) diameter mechanical swivel with pulling in grip. Housing halves have a molded center hole to accept a standard 5/8" through bolt.
Small Insert	Slotted to accept cables with diameters up to 0.70" (17.8 mm), as well as flat drop cables. Designed to cushion the cable under loads; hourglass shape creates a wedge-action grip when unbalanced loads exist.
Large Insert	Slotted to accept cables with diameters up to 1.054" (26.8 mm), as well as flat drop cables. Designed to cushion the cable under loads; hourglass shape creates a wedge-action grip when unbalanced loads exist.
Hardware Kit for Band Mount Applications (Optional)	Used to clamp the housing assembly halves together after the assembly has been banded to the structure.

MOUNTING OPTIONS

Bolt Mount

- Attached with a 5/8"-11 double-arming bolt
- Leave 4" to 5" (102 mm to127 mm) of the bolt exposed to accept the support

Band Mount

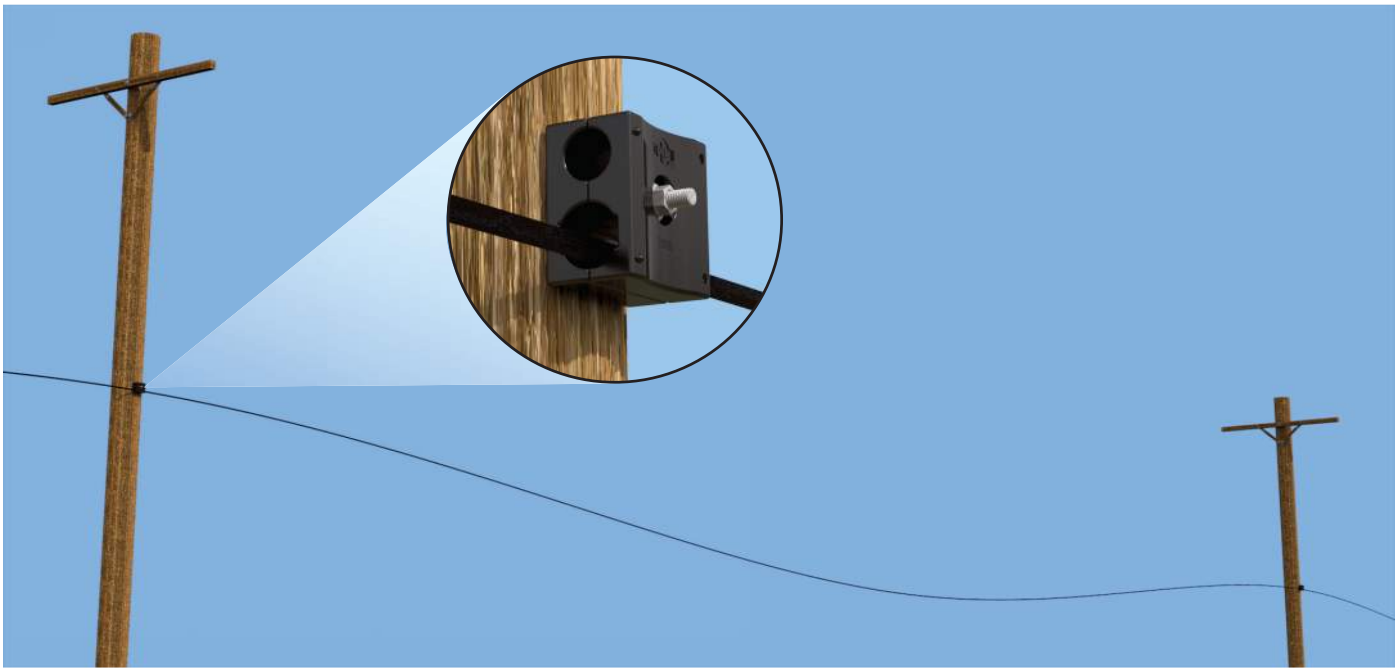
- 3/4" wide steel banding can be inserted into the molded groove to attach the support to a structure
- Banding not included

Lite Support Bolted to Pole

Lite Support Banded to Pole

STRINGING OPERATIONS

- Housing assembly allows up to 10 degree line angles
- Molded cavity will accept up to 1-1/4" diameter mechanical swivel with pulling-in grip
- Eliminates the need for conventional stringing travelers

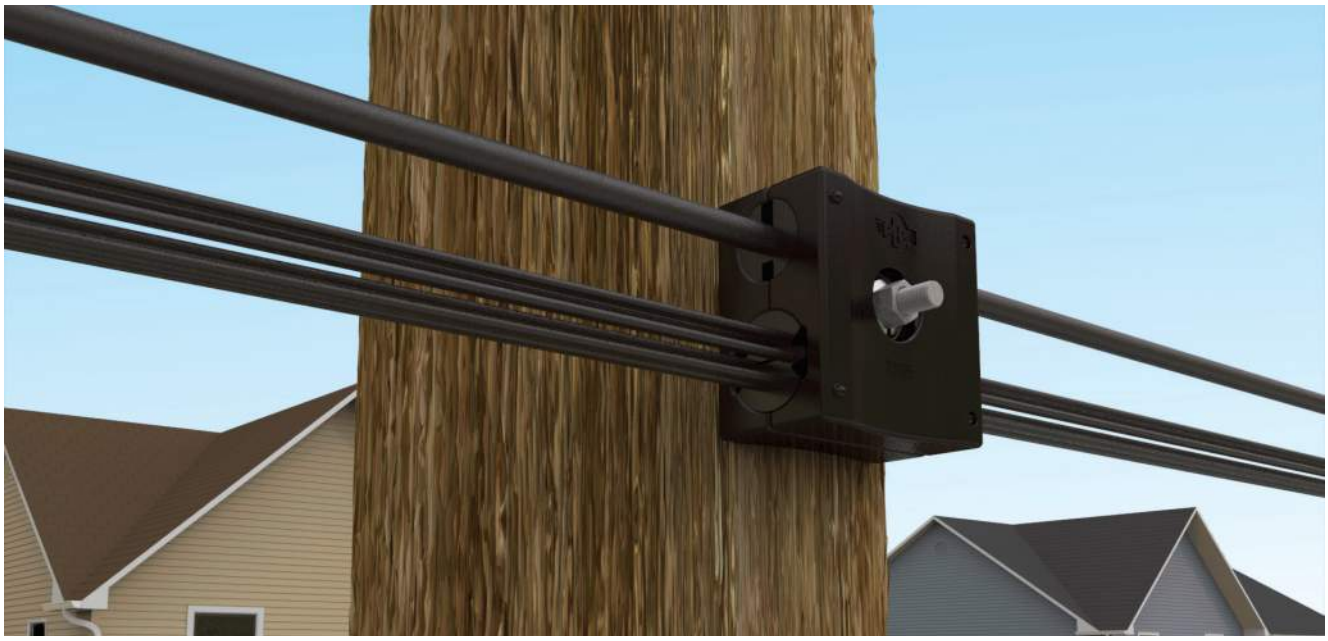


Stringing in Cable with FIBERLIGN Lite Supports

SPACE SAVING OPTIONS

Dual Inserts

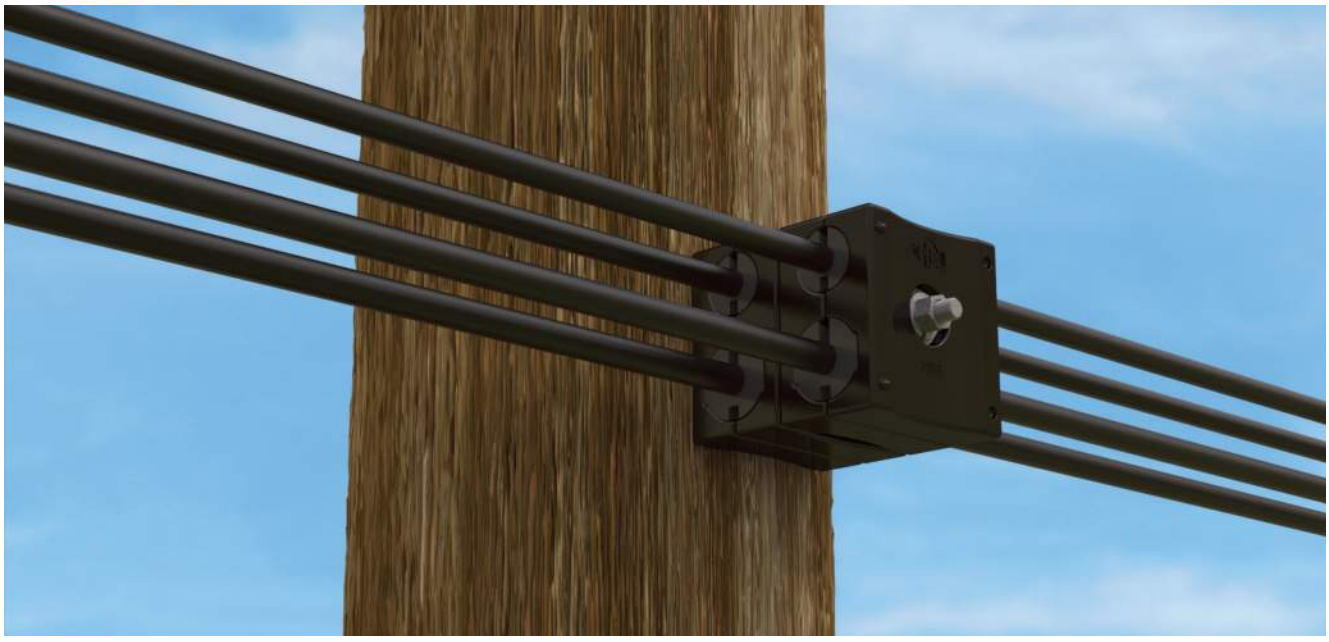
- Kits include one insert (small or large) unless otherwise specified
- Additional inserts can be ordered separately
- Dual inserts (for the same cable range) are offered for select cable ranges. See ORDERING INFORMATION on the next page.



FIBERLIGN Lite Support with Dual Inserts

Stacking

- Allows for greater density at a single attachment location
- Adjust length of exposed bolt to stack multiple housings
- Molded-in features prevent the stacked houses from rotating



Stacked FIBERLIGN Lite Supports

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Lite Support** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

- Each Lite Support includes one insert
- Additional inserts can be ordered, if necessary – see next page

Round-Profile Drop Cables

Catalog Number		Cable Diameter Range		Insert Size
Support (includes insert)	Support with Banding Hardware Kit	in	mm	
4800107	4800107H2	0.250 – 0.280	6.3 – 7.0	Small Insert
4800109	4800109H2	0.305 – 0.375	7.7 – 9.5	
4800110	4800110H2	0.400 – 0.429	10.2 – 10.8	
4800111	4800111H2	0.430 – 0.459	10.9 – 11.6	
4800112	4800112H2	0.460 – 0.489	11.7 – 12.4	
4800113	4800113H2	0.490 – 0.519	12.5 – 13.1	
4800114	4800114H2	0.520 – 0.549	13.2 – 13.9	
4800115	4800115H2	0.550 – 0.579	14.0 – 14.7	
4800116	4800116H2	0.580 – 0.609	14.8 – 15.4	
4800117	4800117H2	0.610 – 0.639	15.5 – 16.2	
4800118	4800118H2	0.640 – 0.669	16.3 – 16.9	
4800119	4800119H2	0.670 – 0.699	17.0 – 17.8	
480011817	480011817H2	0.250 – 0.280	6.3– 7.0	Large Insert
480011819	480011819H2	0.305 – 0.375	7.7 – 9.5	
4800120	4800120H2	0.700 – 0.723	17.9 – 18.3	
4800122	4800122H2	0.724 – 0.779	18.4 – 19.7	
4800124	4800124H2	0.780 – 0.834	19.8 – 21.1	
4800126	4800126H2	0.835 – 0.889	21.2 – 22.5	
4800128	4800128H2	0.890 – 0.944	22.6 – 23.9	
4800130	4800130H2	0.945 – 0.999	24.0 – 25.4	
4800132	4800132H2	1.000 – 1.054	25.5 – 26.8	
480011820	480011820H2	0.250 – 0.280	6.4 – 7.1	Dual Inserts[1]
480011821	480011821H2	0.281 – 0.304	7.1 – 7.6	
480011822	480011822H2	0.305 – 0.375	7.7 – 9.5	
4800000	Housing Only			
4800500	Banding Hardware Only			

[1]Custom Dual Inserts, including a combination of one small insert size and one large insert size, can be created. Contact PLP for further details.

Flat Drop Cables

Catalog Number			Cable Dimensions		Number of Cables	Insert Size
Support (includes insert)	Support with Banding Hardware Kit	Insert Only	L x W[1]			
			in	mm		
4800107	4800107H2	00070257	0.280 x 0.140	7.1 x 3.6 – 11.2 x 4.6	1	Small Insert
480016417[2]	480016417H2[2]	00070442	0.320 x 0.170	8.1 x 4.3	6	Large 6-Hole Insert

[1] Length x Width of the Flat Drop Cable cross-section
[2] The large insert for this Lite Support Kit is a two-piece design that accommodates up to 6 flat drop cables

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Lite Support Insert** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

- Each Lite Support includes one insert
- If utilizing both cavities, order additional inserts using the tables below

Small Insert

Catalog Number	Cable Diameter Range	
	in	mm
00070257	0.250 – 0.280	6.3 – 7.0
00070258	0.305 – 0.375	7.7 – 9.5
00070216	0.400 – 0.429	10.2 – 10.8
00070217	0.430 – 0.459	10.9 – 11.6
00070218	0.460 – 0.489	11.7 – 12.4
00070219	0.490 – 0.519	12.5 – 13.1
00070220	0.520 – 0.549	13.2 – 13.9
00070221	0.550 – 0.579	14.0 – 14.7
00070222	0.580 – 0.609	14.8 – 15.4
00070223	0.610 – 0.639	15.5 – 16.2
00070224	0.640 – 0.669	16.3 – 16.9
00070225	0.670 – 0.699	17.0 – 17.8

Small Insert
FIBERLIGN Lite Support

Large Insert

Catalog Number	Cable Diameter Range	
	in	mm
00070255	0.250 – 0.280	6.3 – 7.0
00070256	0.305 – 0.375	7.7 – 9.5
00070250	0.400 – 0.429	10.2 – 10.8
00070251	0.430 – 0.459	10.9 – 11.6
00070176	0.460 – 0.489	11.7 – 12.4
00070177	0.490 – 0.519	12.5 – 13.1
00070178	0.520 – 0.549	13.2 – 13.9
00070179	0.550 – 0.579	14.0 – 14.7
00070180	0.580 – 0.609	14.8 – 15.4
00070181	0.610 – 0.639	15.5 – 16.2
00070182	0.640 – 0.669	16.3 – 16.9
00070183	0.670 – 0.699	17.0 – 17.8
00070184	0.700 – 0.723	17.9 – 18.3
00070186	0.724 – 0.779	18.4 – 19.7
00070188	0.780 – 0.834	19.8 – 21.1
00070190	0.835 – 0.889	21.2 – 22.5
00070192	0.890 – 0.944	22.6 – 23.9
00070194	0.945 – 0.999	24.0 – 25.4
00070195	1.000 – 1.054	25.5 – 26.8

Large Insert
FIBERLIGN Lite Support

FIBERLIGN® DIELECTRIC SUPPORT

The **FIBERLIGN Dielectric Support (FDS)** system is designed to gently but firmly support ADSS cable. It is intended for tangent support installations on lines that feature relatively low voltages, short spans, and modest mechanical loads.

FEATURES AND BENEFITS

- Mounts to pole with a 5/8" through bolt or a banding system with a mounting bracket
- Supports span lengths up to 600 ft (183 m) NESC Heavy for cables with diameters less than 1.0" and 300 ft (91 m) NESC Heavy for cables with diameters greater than 1.0"
- Supports line angles up to 20 degrees
- Housing is made from a high-strength dielectric urethane material
- Inserts are made from a soft, pliable dielectric material that gently grips and cushions the cable
- Highly abrasive-resistant surface of the housing allows it to be used as a stringing traveler at the structure

SPECIFICATIONS

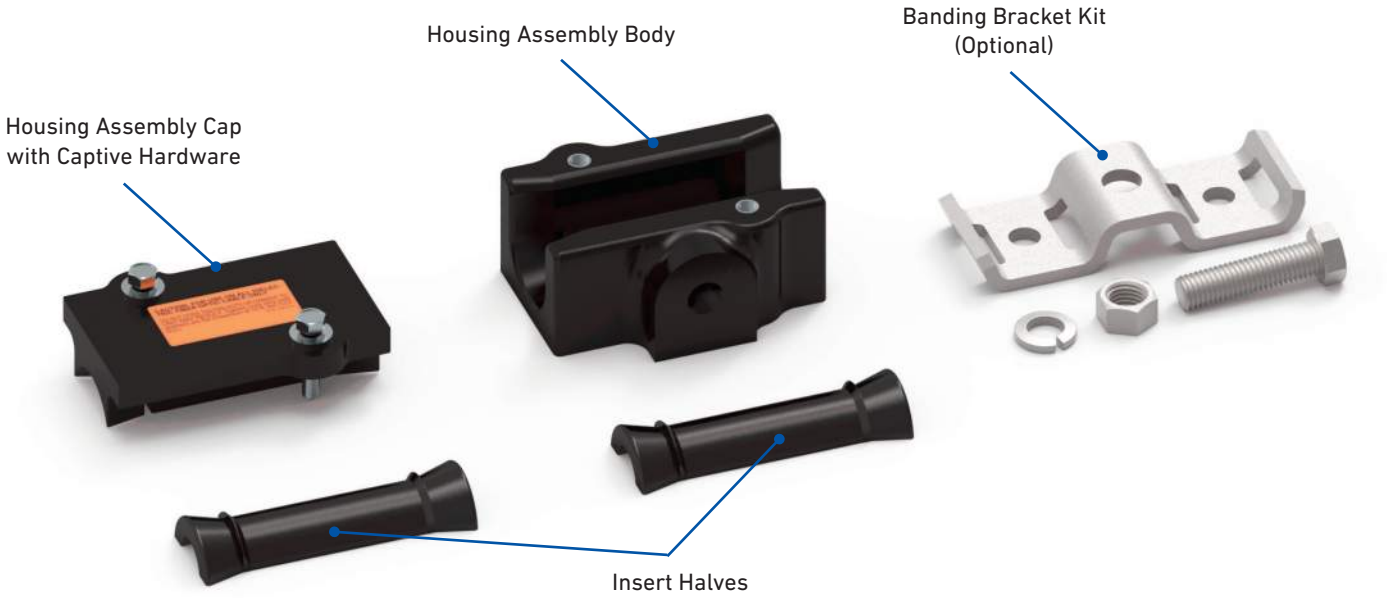
The support performance depends upon the specific cable outer diameter, initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Dielectric Support** is designed for a cable system with light tensions and short spans. The following cable system specifications are required to use the FIBERLIGN Dielectric Support:

FIBERLIGN Dielectric Support

Cable System Requirements		
Maximum Span Length[1]	Maximum Line Angle for Stringing Operations[2]	Maximum Line Angle for Permanent Installations[2]
<1.00" OD = 600 ft (183 m) ≥1.00" OD = 300 ft (91 m)	degrees	
	10	20

[1] NESC Heavy
[2] Consult PLP for exceptions

COMPONENTS



Component	Description
Housing Assembly	Housing cavity is designed to accept Insert Halves and can be used for stringing in cable. Housing body has a molded-in threaded hole that will accept a 5/8"-11 UNC hot-dipped galvanized bolt.
Insert Halves	Slotted to accept cables with diameters up to 1.05" (26.7 mm). Designed to cushion the cable under loads. Molded flanges retain inserts to help avoid dropping them during installation.
Banding Bracket Kit (Optional)	Used to mount the FDS after the bracket has been banded to a structure.

MOUNTING OPTIONS

Bolt Mount

- Attached with a 5/8"-11 double-arming bolt
- Support can be mounted horizontally or vertically

Dielectric Support Bolted to Pole

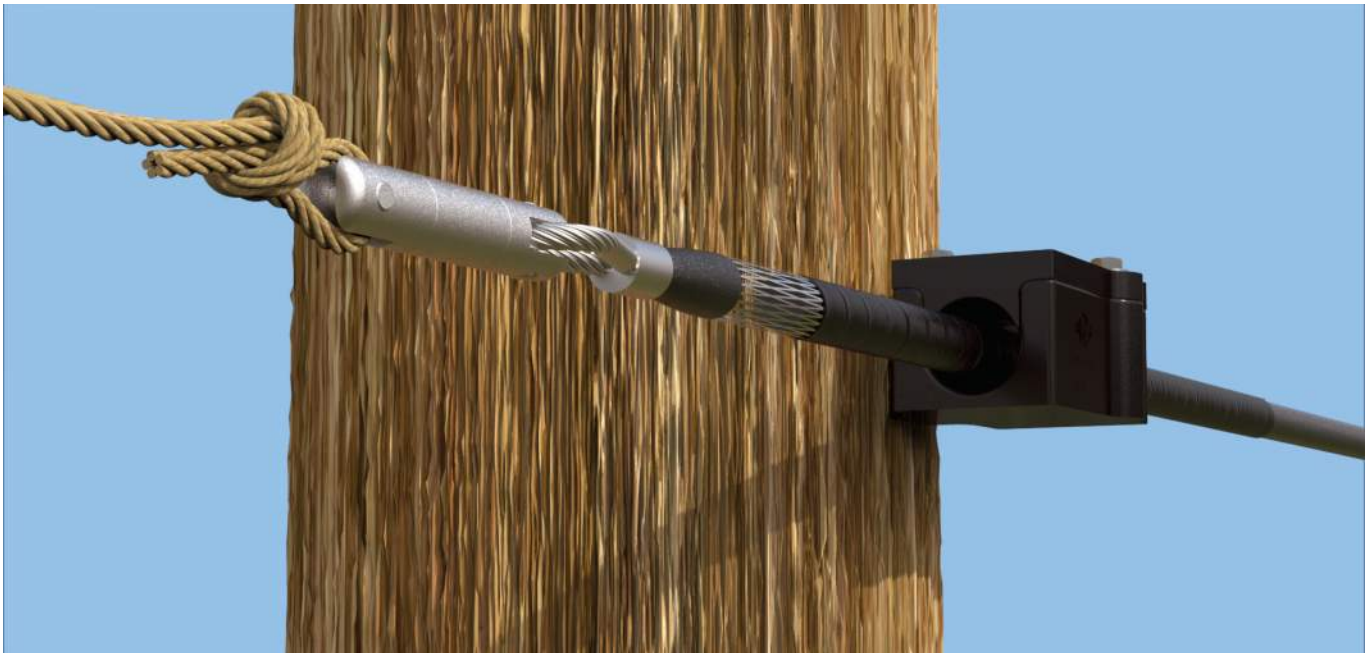
Band Mount

- Bracket kit required
- Accepts 1-1/4" wide high-strength banding
- Banding not included

Dielectric Support Banded to Pole

STRINGING OPERATIONS

- Housing assembly allows up to 10 degree line angles
- Eliminates the need for conventional stringing travelers



Stringing in Cable with FIBERLIGN Dielectric Supports

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Dielectric Support** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

FIBERLIGN Dielectric Support

- Each Dielectric Support includes one complete insert (two halves) for the stated cable range
- Additional inserts are sold as Insert Halves – see adjacent table

Catalog Number		Cable Diameter Range	
Support (includes insert)	Support with Banding Bracket Kit	in	mm
44002144	44002144B1	0.275 – 0.325	7.0 – 8.3
44000691	44000691B1	0.326 – 0.375	8.4 – 9.5
44009998	44009998B1	0.376 – 0.425	9.6 – 10.8
44009949	44009949B1	0.426 – 0.475	10.9 – 12.1
44009952	44009952B1	0.476 – 0.525	12.2 – 13.3
44009823	44009823B1	0.526 – 0.575	13.4 – 14.6
44009798	44009798B1	0.576 – 0.625	14.7 – 15.9
44009776	44009776B1	0.626 – 0.675	16.0 – 17.1
44009799	44009799B1	0.676 – 0.750	17.2 – 19.1
44009878	44009878B1	0.751 – 0.825	19.2 – 21.0
44009963	44009963B1	0.826 – 0.900	21.1 – 22.9
44002213	44002213B1	0.901 – 0.950	23.0 – 24.1
44003915	44003915B1	0.951 – 1.000	24.2 – 25.4
440010296	440010296B1	1.0001 – 1.050	25.5 – 26.6
4800000	Housing		
710010577	Banding Hardware Only		

FIBERLIGN Dielectric Support Insert Halves

- Two Insert Halves are required for each support

Catalog Number	Cable Diameter Range	
	in	mm
00070061	0.275 – 0.325	7.0 – 8.3
00070052	0.326 – 0.375	8.4 – 9.5
00070056	0.376 – 0.425	9.6 – 10.8
00070059	0.426 – 0.475	10.9 – 12.1
00070107	0.476 – 0.525	12.2 – 13.3
00070088	0.526 – 0.575	13.4 – 14.6
00070108	0.576 – 0.625	14.7 – 15.9
00070109	0.626"– 0.675	16.0 – 17.1
00070110	0.676 – 0.750	17.2 – 19.1
00070111	0.751 – 0.825	19.2 – 21.0
00070112	0.826 – 0.900	21.1 – 22.9
00070113	0.901 – 0.950	23.0 – 24.1
00070147	0.951 – 1.000	24.2 – 25.4
00070154	1.0001 – 1.050	25.5 – 26.6

FIBERLIGN Dielectric Support Kit*
* Includes one complete insert
(comprised of two Insert Halves)

FIBERLIGN Dielectric Support Insert Half

FIBERLIGN® ALUMINUM SUPPORT

The **FIBERLIGN Aluminum Support (FAS)** system is designed to gently but firmly support ADSS cable. It is intended for tangent support installations on lines that feature relatively low voltages, short spans, and modest mechanical loads.

FEATURES AND BENEFITS

- Mounts to a pole with a 5/8" through bolt or with a 1-1/4" wide x 0.040" thick (32 mm x 1 mm) steel band
- Supports span lengths up to 600 ft (183 m) NESC Heavy for cables with diameters less than 1.0" and 300 ft (91 m) NESC Heavy for cables with diameters greater than 1.0"
- Supports line angles up to 20 degrees
- Base and keeper of the FAS are made from aluminum alloy
- Inserts are made from a soft, pliable dielectric material that gently grips and cushions the cable within the housing
- Hinged keeper is secured to the base with a captured galvanized steel bolt, lock washer, and washer
- Multiple assemblies can be stacked together for multi-cable installations
- Cable cavity is contoured and smooth to allow it to be used as a stringing traveler at the structure

SPECIFICATIONS

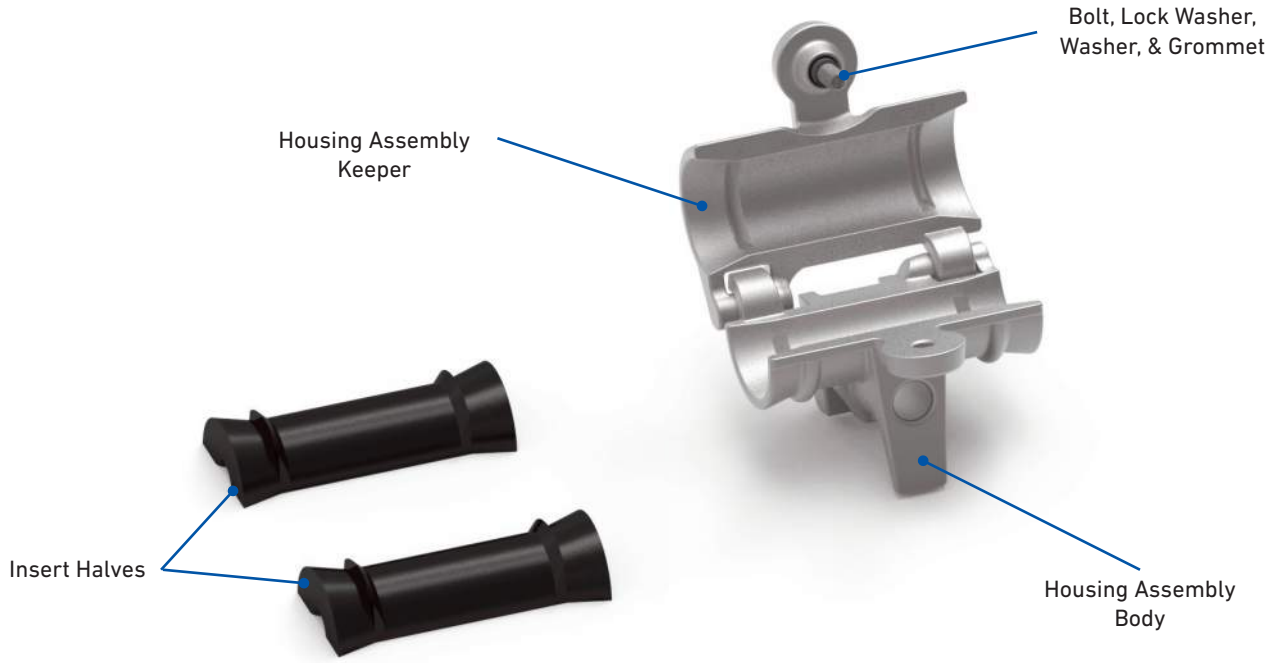
The support performance depends upon the specific cable outer diameter, initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Aluminum Support** is designed for a cable system with light tensions and short spans. The following cable system specifications are required to use FIBERLIGN Aluminum Support:

FIBERLIGN Aluminum Support

Cable System Requirements	
Maximum Span Length[1]	Maximum Line Angle[2]
<1.00" OD = 600 ft (183 m) ≥1.00" OD = 300 ft (91 m)	degrees 20

[1] NESC Heavy
[2] Consult PLP for exceptions

COMPONENTS



Component	Description
Housing Assembly	Features an interlocking hinge between the base and the keeper that allows for easy access. Both the base and keeper have a cavity designed to accept the insert halves. Keeper secures to the base with a captured bolt and holds the cable in place. Housing body has a molded-in through hole that will accept a 5/8"-11 UNC hot-dipped galvanized bolt. It also has a banding slot to accept a 1-1/4" wide x 0.040" thick (32 mm x 1 mm) steel band.
Insert Halves	Slotted to accept cables with diameters up to 1.425" (36.2 mm). Designed to cushion the cable under loads. Molded flanges retain inserts to help avoid dropping them during installation.

MOUNTING OPTIONS

Bolt Mount

- Attached with a 5/8"-11 through bolt or double-arming bolt
- Housing assembly accounts for approximately 3.2" (81 mm) of the bolt length

FAS Bolted to Pole

Band Mount

- 1/4" wide (up to 0.040" thick) steel banding can be inserted through the back slot to directly attach the support to a structure
- Banding not included

FAS Banded to Pole

STRINGING OPERATIONS

- Housing assembly allows up to 20 degree line angles
- With inserts removed, the open cavity will accept up to 1-1/4" diameter mechanical swivel with pulling-in grip
- Eliminates the need for conventional stringing travelers

Stringing in Cable with FAS

STACKING CAPABILITIES

- Allows for greater density at a single attachment location
- Adjust length of bolt by 3.2" (81 mm) for each stacked support
- Use a brace to support the bolt or banding when stacking more than two supports
- Staggered formation reduces the possibility of cables colliding during windy conditions

Stacked FAS Assemblies

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Aluminum Support** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance.

FIBERLIGN Aluminum Support

- Each Aluminum Support includes one complete insert (two halves) for the stated cable range
- Additional inserts are sold as Insert Halves – see adjacent table

Catalog Number	Cable Diameter Range	
	in	mm
4450095	0.226 – 0.275	5.7 – 6.9
4450096	0.276 – 0.325	7.0 – 8.2
4450097	0.326 – 0.375	8.3 – 9.4
4450098	0.376 – 0.425	9.5 – 10.7
4450099	0.426 – 0.475	10.8 – 12.0
4450100	0.476 – 0.525	12.1 – 13.3
4450101	0.526 – 0.575	13.4 – 14.6
4450102	0.576 – 0.625	14.7 – 15.9
4450103	0.626 – 0.675	16.0 – 17.1
4450104	0.676 – 0.750	17.2 – 19.1
4450105	0.751 – 0.825	19.2 – 21.0
4450106	0.826 – 0.900	21.1 – 22.9
4450107	0.901 – 0.975	23.0 – 24.8
4450108	0.976 – 1.050	24.9 – 26.7
4450109	1.051 – 1.125	26.8 – 28.6
4450110	1.126 – 1.200	28.7 – 30.5
4450111	1.201 – 1.275	30.6 – 32.4
4450112	1.276 – 1.350	32.5 – 34.3
4450113	1.351 – 1.425	34.4 – 36.2
4450000	Housing Assembly Only	

FIBERLIGN Aluminum Support Insert Halves

- Two Insert Halves are required for each support

Catalog Number	Cable Diameter Range	
	in	mm
00070241	0.226 – 0.275	5.7 – 6.9
00070236	0.276 – 0.325	7.0 – 8.2
00070237	0.326 – 0.375	8.3 – 9.4
00070238	0.376 – 0.425	9.5 – 10.7
00070239	0.426 – 0.475	10.8 – 12.0
00070125	0.476 – 0.525	12.1 – 13.3
00070126	0.526 – 0.575	13.4 – 14.6
00070127	0.576 – 0.625	14.7 – 15.9
00070128	0.626 – 0.675	16.0 – 17.1
00070129	0.676 – 0.750	17.2 – 19.1
00070130	0.751 – 0.825	19.2 – 21.0
00070131	0.826 – 0.900	21.1 – 22.9
00070132	0.901 – 0.975	23.0 – 24.8
00070133	0.976 – 1.050	24.9 – 26.7
00070134	1.051 – 1.125	26.8 – 28.6
00070135	1.126 – 1.200	28.7 – 30.5
00070136	1.201 – 1.275	30.6 – 32.4
00070137	1.276 – 1.350	32.5 – 34.3
00070138	1.351" – 1.425	34.4 – 36.2

FIBERLIGN Aluminum Support*
* Includes one complete insert
(comprised of two Insert Halves)

FIBERLIGN Aluminum Support Insert Half

FIBERLIGN® ALUMINUM SUSPENSION

The **FIBERLIGN Aluminum Suspension (FASN)** system is designed to gently, but firmly, support ADSS cable. It is intended for tangent support installations on lines that have short to medium spans and can be used in low- to high-voltage environments. The FASN can be provided with Structural Reinforcing Rods (SRR) for transmission portions of the cable network as well. The FASN can be customized to include fittings and brackets for wood, concrete, or metal poles and structures.

FEATURES AND BENEFITS

- Can be provided with an optional anchor shackle and 5/8"-11 eye nut for bolted applications on a pole or structure
- Banding bracket, ground wire, and corona protection options are available separately
- Supports span lengths up to 600 ft (183 m) NESC Heavy for cables without SRR and span lengths up to 1,200 ft (366 m) NESC Heavy for cables with SRR
- Supports line angles up to 30 degrees
- Keepers are made from aluminum alloy
- Inserts are made from a soft, pliable dielectric material that gently grips and cushions the cable. Inserts are supplied with grit on the inner bore hole when they are applied on SRR.
- Hinged keepers are secured together with a captured galvanized steel bolt, lock washer, and washer
- SRR ends are factory formed to flare away from the cable to prevent damage to the cable during installation, unbalanced loading, or cable motion.

CABLE SYSTEM SPECIFICATIONS

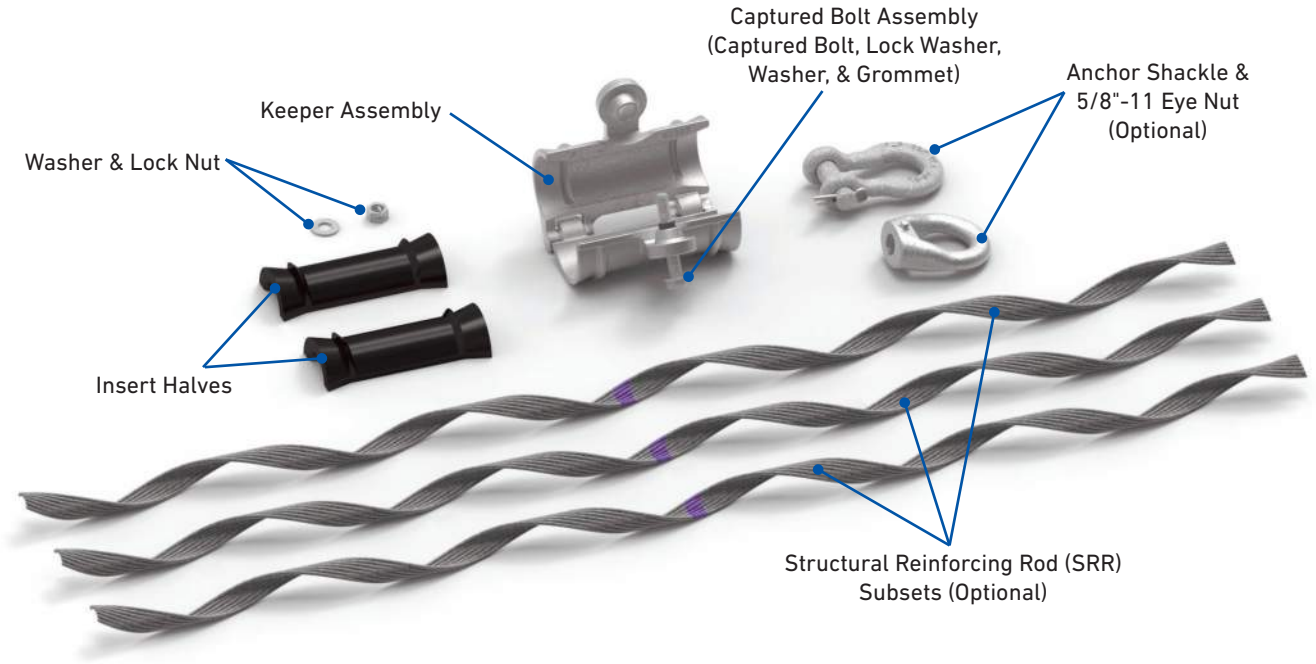
The suspension performance depends upon the specific cable outer diameter, initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Aluminum Suspension** is designed for a cable system with light to medium tensions and short to intermediate spans. The following cable system specifications are required to use the FIBERLIGN Aluminum Suspension.

FIBERLIGN Aluminum Suspension

Cable System Requirements		
Maximum Span Length	**Maximum Vertical Load**	**Maximum Line Angle[3]**
<600 ft (91 m) – no SRR[1]	**lb**	**degrees**
<1,200 ft (366 m) – with SRR[2]	7,000	30

[1] NESC Heavy for short spans without SRR (Structural Reinforcing Rods)
[2] NESC Heavy for intermediate spans with SRR
[3] Consult PLP for exceptions

COMPONENTS



Component	Description
Keeper Assembly	Features an interlocking hinge that allows for easy access when installing cables. Both keeper halves have a cavity designed to accept the insert halves. Keepers secure together with a captured bolt assembly that is factory installed and a lock nut with a washer. Secured assembly can attach to a pole or structure with the optional anchor shackle and eye nut or equivalent hardware.
Insert Halves	Slotted to accept cables with diameters up to 1.425" (36.2 mm) and designed to cushion the cable under loads. Molded flanges help the inserts stay in the keeper during installation and are supplied with or without grit on the inner cable slot. Gritted inserts are applied over optional SRR for intermediate span applications and have a conductive aluminum strip for higher voltage applications.
Structural Reinforcing Rods (Optional)	Galvanized steel rods that are subsetted and gritted. Provides additional protection to the cable jacket and increases longitudinal holding abilities of the unit. Rod ends are flared to protect the cable from damage during installation, unbalanced loading, or cable motion.
Anchor Shackle and 5/8"-11 Eye Nut (Optional)	Optional Anchor Shackle and 5/8"-11 Eye Nut are used to attach the assembled unit to a pole or structure with a 5/8" double-arming bolt.

MOUNTING OPTIONS

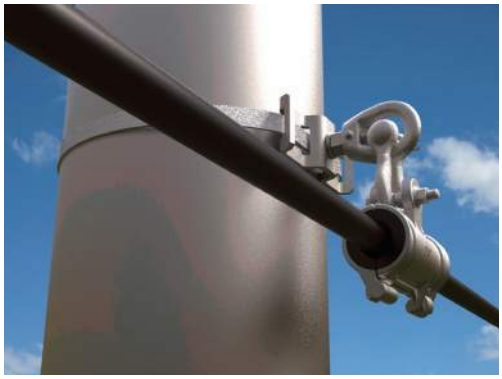
Bolt Mount

- Suspended from a 5/8"-11 double-arming bolt with an optional Anchor Shackle and 5/8"-11 Eye Nut add-on **(Catalog Number: 710010357)**
- For eye bolt applications, the Anchor Shackle can be ordered separately

Band Mount

- Requires the 5,000 lb Limited Tension Banding Bracket Kit **(Catalog Number: 710010577)**
- Banding Bracket Kit includes: 5/8"-11 x 2-1/2" long bolt, lockwasher, hex nut, and banding bracket
- Use the optional Anchor Shackle and 5/8"-11 Eye Nut **(Catalog Number: 710010357)** to attach the suspension to the banding bracket
- Band to the pole with 1-1/4" banding (not included)

FASN Attached to Pole with 5/8" Double-Arming Bolt



FASN Attached to Pole with Banding Bracket Kit

SRR APPLICATIONS

- Structural reinforcing rods (SRR) provide substantial holding strength via compression
- Holding strength is enhanced by the grip on the SRR and the inserts of the suspension itself
- Available for cable diameters ranging from 0.426" (10.8 mm) to 1.187" (30.1 mm)

CORONA PROTECTION

For the FASN, the SRR have been designed to accept the ADSS-CORONA™ Coil. The ADSS-CORONA Coil reduces electrical stress at the ends of the metal rods. Additional information about this product can be found later in this catalog.

FASN with SRR

FIBERLIGN® ADSS-CORONA™ Coil Applied on SRR

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Aluminum Suspension** based on the cable diameter. If the cable you are using does not fall within any of the published ranges, please contact PLP for further assistance. For other Aluminum Suspension accessories, refer to the previous page.

- Each Aluminum Suspension includes one complete insert (two halves) for the stated cable range.
- Additional inserts are sold as Insert Halves – see adjacent table

FIBERLIGN Aluminum Suspension without SRR

Catalog Number		Cable Diameter Range	
Suspension (includes insert)	Suspension with Anchor Shackle & 5/8"-11 Eye Nut	in	mm
4450195	4450195S	0.226 – 0.275	5.7 – 6.9
4450196	4450196S	0.276 – 0.325	7.0 – 8.2
4450197	4450197S	0.326 – 0.375	8.3 – 9.4
4450198	4450198S	0.376 – 0.425	9.5 – 10.7
4450199	4450199S	0.426 – 0.475	10.8 – 12.0
4450200	4450200S	0.476 – 0.525	12.1 – 13.3
4450201	4450201S	0.526 – 0.575	13.4 – 14.6
4450202	4450202S	0.576 – 0.625	14.7 – 15.9
4450203	4450203S	0.626 – 0.675	16.0 – 17.1
4450204	4450204S	0.676 – 0.750	17.2 – 19.1
4450205	4450205S	0.751 – 0.825	19.2 – 21.0
4450206	4450206S	0.826 – 0.900	21.1 – 22.9
4450207	4450207S	0.901 – 0.975	23.0 – 24.8
4450208	4450208S	0.976 – 1.050	24.9 – 26.7
4450209	4450209S	1.051 – 1.125	26.8 – 28.6
4450210	4450210S	1.126 – 1.200	28.7 – 30.5
4450211	4450211S	1.201 – 1.275	30.6 – 32.4
4450212	4450212S	1.276 – 1.350	32.5 – 34.3
4450213	4450213S	1.351 – 1.425	34.4 – 36.2
4450001	Housing Assembly Only		
710010357	Anchor Shackle and 5/8" - 11 Eye Nut		
AS-5L	Anchor Shackle Only		
710010577	5,000 lb Limited Tension Banding Bracket		

FIBERLIGN Aluminum Suspension Insert Halves

Catalog Number	Cable Diameter Range	
	in	mm
00070241	0.226 – 0.275	5.7 – 6.9
00070236	0.276 – 0.325	7.0 – 8.2
00070237	0.326 – 0.375	8.3 – 9.4
00070238	0.376 – 0.425	9.5 – 10.7
00070239	0.426 – 0.475	10.8 – 12.0
00070125	0.476 – 0.525	12.1 – 13.3
00070126	0.526 – 0.575	13.4 – 14.6
00070127	0.576 – 0.625	14.7 – 15.9
00070128	0.626 – 0.675	16.0 – 17.1
00070129	0.676 – 0.750	17.2 – 19.1
00070130	0.751 – 0.825	19.2 – 21.0
00070131	0.826 – 0.900	21.1 – 22.9
00070132	0.901 – 0.975	23.0 – 24.8
00070133	0.976 – 1.050	24.9 – 26.7
00070134	1.051 – 1.125	26.8 – 28.6
00070135	1.126 – 1.200	28.7 – 30.5
00070136	1.201 – 1.275	30.6 – 32.4
00070137	1.276 – 1.350	32.5 – 34.3
00070138	1.351 – 1.425	34.4 – 36.2

FIBERLIGN Aluminum Suspension with SRR

Catalog Number		Cable Diameter Range		SRR Specifications						
Suspension (includes insert)	Suspension with Anchor Shackle & 5/8"-11 Eye Nut	in	mm	Rod Length		Rod Diameter		Rods per Subset	Subset	Color Code
				in	mm	in	mm			
4470199	4470199S	0.426 – 0.475	10.8 – 12.0	30	762	0.100	2.5	14	5 – 5 – 4	Green
4470200	4470200S	0.476 – 0.500	12.1 – 12.7	33	838	0.100	2.5	15	5 - 5 - 5	Red
4470201	4470201S	0.501 – 0.550	12.8 – 14.0	34	864	0.100	2.5	16	6 - 5 - 5	Blue
4470202	4470202S	0.551 – 0.625	14.1 – 15.9	34	864	0.100	2.5	17	6 - 6 - 5	Black
4470203	4470203S	0.626 – 0.700	16.0 – 17.8	35	889	0.100	2.5	19	7 - 7 - 5	Orange
4470204	4470204S	0.701 – 0.737	17.9 – 18.6	36	914	0.119	3.0	18	6 - 6 - 6	Green
4470205	4470205S	0.738 – 0.812	18.7 – 20.6	36	914	0.119	3.0	19	7 - 7 - 5	Pink
4470206	4470206S	0.813 – 0.887	20.7 – 22.5	37	940	0.119	3.0	21	7 - 7 - 7	Purple
4470207	4470207S	0.888 – 0.962	22.6 – 24.4	37	940	0.119	3.0	22	7 - 7 - 4 - 4	White
4470208	4470208S	0.963 – 1.037	24.5 – 26.3	37	940	0.119	3.0	24	6 - 6 - 6 - 6	Yellow
4470209	4470209S	1.038 – 1.112	26.4 – 28.2	38	965	0.119	3.0	26	7 - 7 - 7 - 5	Brown
4470210	4470210S	1.113 – 1.187	28.3 – 30.1	39	991	0.119	3.0	27	7 - 7 - 7 - 6	Red

NOTE: To order the Housing Assembly and other components separately, refer to the FIBERLIGN Aluminum Suspension without SRR table.

FIBERLIGN® DIELECTRIC SUSPENSION

The **FIBERLIGN Dielectric Suspension** system uses a combination of Structural Reinforcing Rods (SRR), outer rods, a boltless housing, and resilient cable inserts to reduce compression clamping and bending stresses on the cable and fibers. Negative effects of wind-induced cable motion such as aeolian vibration, galloping, and wind sway are also minimized. The double rod layer offers critical protection against tearing of the plastic cable jacket during unbalanced longitudinal loading of the cable while providing substantial holding strength.

FEATURES AND BENEFITS

- Attaches to a pole or structure with fittings such as a Y-Clevis, Clevis Eye, Chain Link, or Anchor Shackle
- Support long spans, high unbalanced longitudinal loads, and high vertical loads
- Support line angles up to 40 degrees with a single suspension and 80 degrees with a custom-designed double suspension
- Housing assembly, SRR, and outer rods are made from a high-strength aluminum alloy
- Inserts are reinforced with a molded-in aluminum alloy insert made from an elastomer that is specifically formulated for UV-resistance, weathering, high and low temperature variations, and compression set
- Housing halves are secured together with a galvanized steel bolt, lock washer, and washer
- SRR ends are factory formed to flare away from the cable to prevent damage to the cable during installation, unbalanced loading, or cable motion
- FIBERLIGN ADSS-CORONA™ Coil is available separately for the FIBERLIGN Aluminum Suspension

SPECIFICATIONS

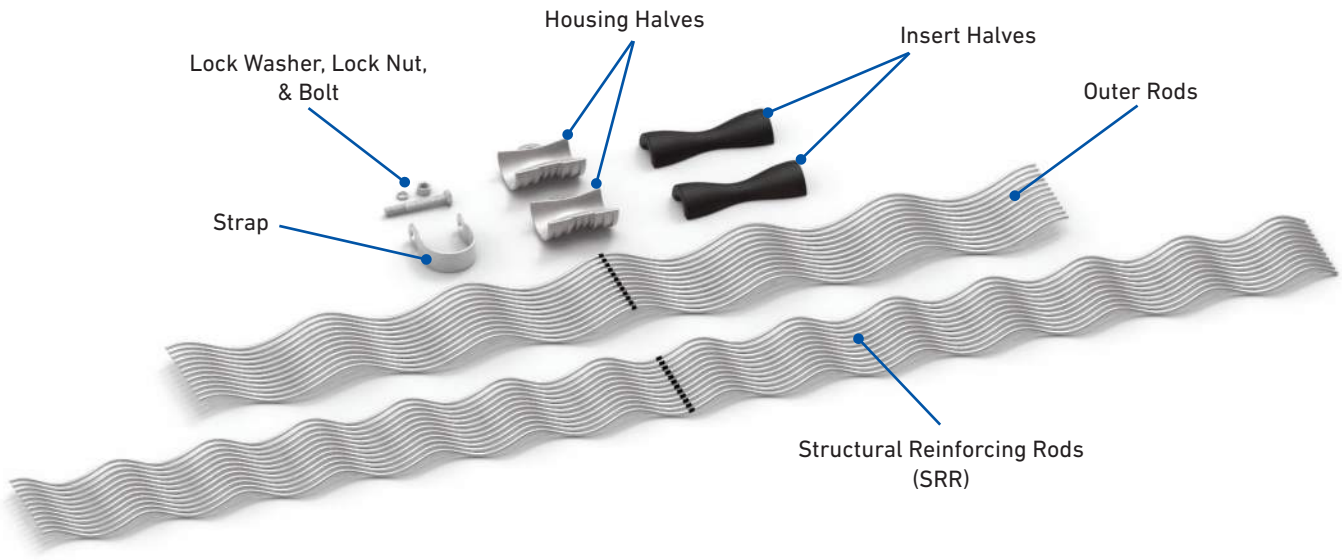
The suspension performance depends upon the specific cable outer diameter, initial cable tension, NESC loading condition, and other factors. The **FIBERLIGN® Dielectric Suspension** is designed for a cable system with high tensions and long spans. The following cable system specifications are required to use FIBERLIGN Dielectric Suspension:

FIBERLIGN Dielectric Suspension

Cable System Requirements		
Maximum Span Length	**Maximum Vertical Load**	**Maximum Line Angle**
>1,200 ft (366 m)	Varies per Suspension Assembly[1]	Single Suspension 40 degrees
		Double Suspension 80 degrees

[1] Consult chart on next page for specific ratings

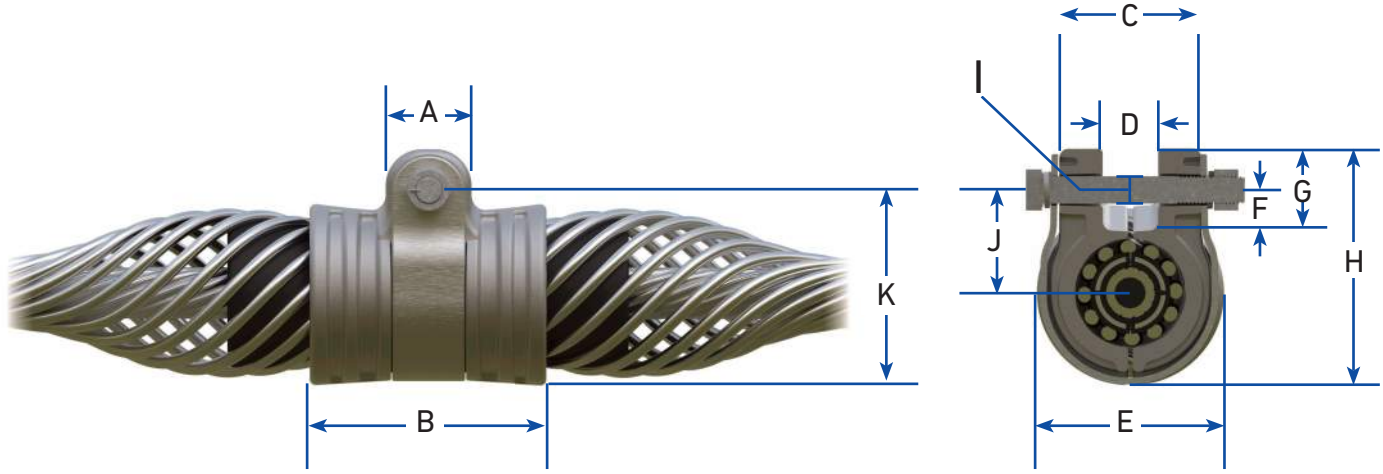
COMPONENTS



Component	Description
Housing Assembly	Comprised of two housing halves and a strap. Features a cavity designed to accept the assembled outer rods, inserts, and SRR. Housing halves are applied over the outer rods and held together with a strap. Housing halves and strap are secured together with a bolt, lock washer, and a lock nut. Secured assembly can attach to a pole or structure with various hardware fittings such a Y-Clevis, Clevis Eye, Chain Link, or Anchor Shackle.
Insert Halves	Insert halves are applied over the SRR and held in place by the outer rods. Halves are slotted to accept cables with diameters up to 1.190" (30.1 mm) and are designed to cushion the rods under loads; hourglass shape of the insert creates a wedge-action grip when unbalanced loads exist.
Structural Reinforcing Rods (SRR)	Aluminum alloy rods placed directly onto the cable provide additional protection to the cable jacket and increase longitudinal holding. Rod ends are flared to protect the cable from damage during installation, unbalanced loading, or cable motion.
Outer Rods	Used to secure the inserts to the SRR and help increase longitudinal and vertical holding strength.

DIMENSIONS

The dimensions of the **FIBERLIGN® Dielectric Suspension** are important to know in order to select a proper attachment fitting such as a Y-Clevis, Clevis Eye, Chain Link, or an Anchor Shackle, and for proper placement on the pole or structure. The table below lists the dimensions and maximum vertical load ratings for each suspension assembly based on its cable range.

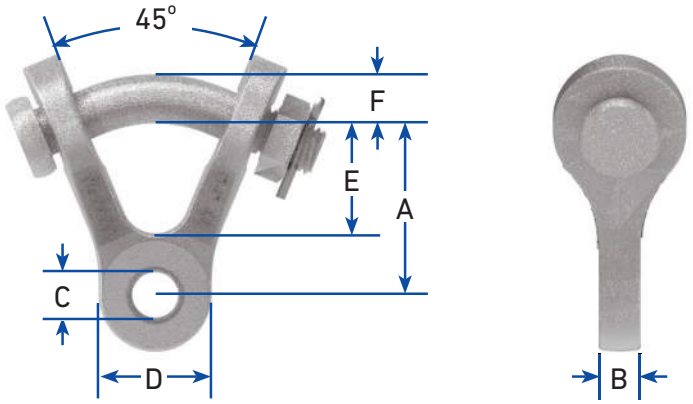


FIBERLIGN Dielectric Suspension

Cable Diameter Range	Dimensions in (mm)											Maximum Vertical Load
in (mm)	A	B	C	D	E	F	G	H	I	J	K	lb
0.354 – 0.458 (9.0 – 11.6)	1-3/4 (44.5)	3-3/4 (95.3)	2-1/4 (57.2)	3/4 (19.1)	2-3/16 (55.6)	1 (25.4)	1-7/8 (47.6)	4-7/16 (112.7)	5/8 (15.9)	2-5/32 (54.8)	3-9/16 (90.5)	15,000
0.459 – 0.565 (11.7 – 14.3)	2 (50.8)	4-17/32 (115.1)	2-11/16 (68.3)	7/8 (22.2)	3-5/16 (84.1)	1 (25.4)	2 (50.8)	5 (127.0)	5/8 (15.9)	2-11/32 (59.5)	4 (101.6)	20,000
0.566 – 0.625 (14.4 – 15.8)	2 (50.8)	5 (127.0)	2-15/16 (74.6)	7/8 (22.2)	3-11/16 (93.7)	1 (25.4)	2 (50.8)	5-3/8 (136.5)	5/8 (15.9)	2-17/32 (64.3)	4-3/8 (111.1)	20,000
0.626 – 0.786 (15.9 – 19.9)	2-1/4 (57.2)	5-1/2 (139.7)	3-1/2 (88.9)	1-3/16 (30.2)	4-5/32 (105.6)	1 (25.4)	2-1/8 (54.0)	5-29/32 (150.0)	5/8 (15.9)	2-45/64 (68.7)	4-25/32 (121.4)	25,000
0.787 – 0.977 (20.0 – 24.8)	2-1/4 (57.2)	6 (152.4)	3-5/8 (92.1)	1-1/4 (31.8)	4-13/16 (122.2)	1-1/4 (31.8)	2-3/8 (60.3)	6-11/16 (169.9)	3/4 (19.1)	3-5/32 (80.2)	5-9/16 (141.3)	25,000
0.978 – 1.016 (24.9 – 25.8)	2-1/4 (57.2)	6-1/2 (165.1)	4-1/8 (104.8)	1-3/8 (34.9)	5-1/16 (128.6)	1-1/8 (28.6)	2-1/4 (57.2)	6-5/8 (168.3)	3/4 (19.1)	2-21/32 (67.5)	5-1/2 (139.7)	25,000
1.017 – 1.057 (25.9 – 26.8)	2-1/4 (57.2)	6-1/2 (165.1)	4-1/8 (104.8)	1-3/8 (34.9)	5-1/16 (128.6)	1-1/8 (28.6)	2-1/4 (57.2)	6-5/8 (168.3)	3/4 (19.1)	2-21/32 (67.5)	5-1/2 (139.7)	25,000
1.058 – 1.079 (26.9 – 27.4)	2-1/2 (63.5)	7 (177.8)	4-11/16 (119.1)	2-1/4 (57.2)	5-19/32 (142.1)	1-1/8 (28.6)	2-3/8 (60.3)	7-1/4 (184.2)	3/4 (19.1)	3-3/16 (81.0)	6 (152.4)	25,000
1.080 – 1.112 (27.5 – 28.2)	2-1/2 (63.5)	7 (177.8)	4-11/16 (119.1)	2-1/4 (57.2)	5-19/32 (142.1)	1-1/8 (28.6)	2-3/8 (60.3)	7-1/4 (184.2)	3/4 (19.1)	3-3/16 (81.0)	6 (152.4)	25,000
1.113 – 1.149 (28.3 – 29.2)	2-1/2 (63.5)	7 (177.8)	4-11/16 (119.1)	2-1/4 (57.2)	5-19/32 (142.1)	1-1/8 (28.6)	2-3/8 (60.3)	7-1/4 (184.2)	3/4 (19.1)	3-3/16 (81.0)	6 (152.4)	25,000
1.150 – 1.190 (29.3 – 30.2)	2-1/2 (63.5)	7 (177.8)	4-11/16 (119.1)	2-1/4 (57.2)	5-19/32 (142.1)	1-1/8 (28.6)	2-3/8 (60.3)	7-1/4 (184.2)	3/4 (19.1)	3-3/16 (81.0)	6 (152.4)	25,000

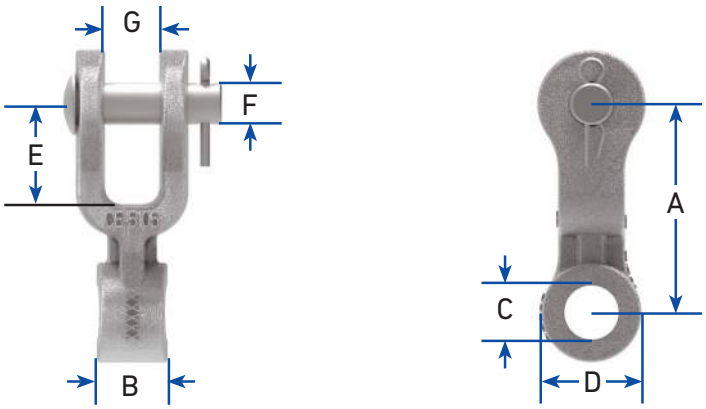
FITTINGS

PLP offers Y-Clevises and Clevis Eyes that can be ordered separately to attach the **FIBERLIGN® Dielectric Suspension** to a pole or structure. To select the proper size fitting, identify the outside diameter of the cable and select the Y-Clevis or Clevis Eye from the tables below. PLP also offers a 25,000 lb Anchor Shackle **(Catalog Number: 72905002**) that can be ordered separately. For all other attachment fittings that are not offered, compare the dimensions of the fitting with the dimensions given for the Dielectric Suspension on the previous page to ensure a proper fit.



Y-Clevis Eye

Catalog Number	Cable Diameter Range		Dimensions in (mm)						Maximum Vertical Load
	in	mm	A	B	C	D	E	F	lb
YC-5206	0.354 – 0.458	9.0 – 11.6	2-7/16 (61.9)	5/8 (15.9)	11/16 (17.5)	1-5/8 (41.3)	1-5/8 (41.3)	3/4 (19.1)	15,000
YC-5207	0.459 – 0.625	11.7 – 15.9	2-7/16 (61.9)	3/4 (19.1)	11/16 (17.5)	1-5/8 (41.3)	1-5/8 (41.3)	3/4 (19.1)	20,000
YC-5209	0.626 – 1.057	16.0 – 26.8	2-7/16 (61.9)	1-1/16 (27.0)	13/16 (20.6)	1-5/8 (41.3)	1-5/8 (41.3)	3/4 (19.1)	25,000
YC-5211	1.058 – 1.208	26.9 – 30.7	2-7/16 (61.9)	2-1/8 (54.0)	13/16 (20.6)	1-5/8 (41.3)	1-5/8 (41.3)	3/4 (19.1)	25,000

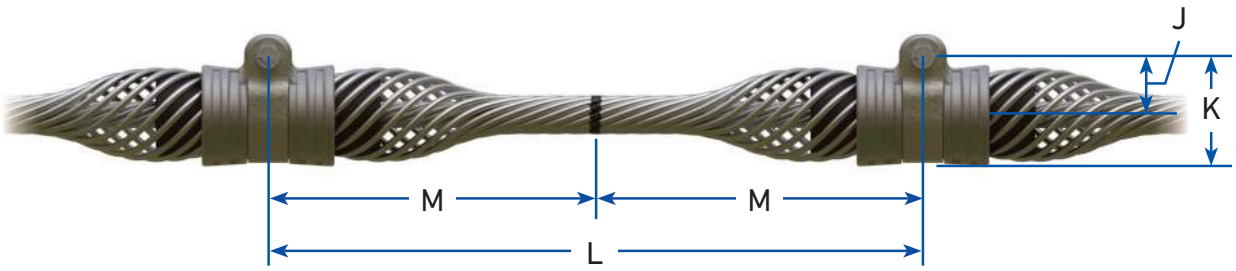


Clevis Eye

Catalog Number	Cable Diameter Range		Dimensions in (mm)							Maximum Vertical Load
	in	mm	A	B	C	D	E	F	G	lb
CE-5259	0.354 – 0.458	9.0 – 11.6	3-1/8 (79.4)	1/2 (12.7)	11/16 (17.5)	1-1/2 (38.1)	1-1/2 (38.1)	5/8 (15.9)	13/16 (20.6)	15,000
CE-5261	0.459 – 0.625	11.7 – 15.9	3-1/8 (79.4)	3/4 (19.1)	11/16 (17.5)	1-1/2 (38.1)	1-1/2 (38.1)	5/8 (15.9)	13/16 (20.6)	20,000
CE-5105	0.626 – 1.057	16.0 – 26.8	3-1/8 (79.4)	1-1/16 (27.0)	13/16 (20.6)	1-1/2 (38.1)	1-1/2 (38.1)	5/8 (15.9)	13/16 (20.6)	25,000
CE-5106	1.058 – 1.208	26.9 – 30.7	3-1/8 (79.4)	2-1/8 (54.0)	13/16 (20.6)	1-1/2 (38.1)	1-1/2 (38.1)	5/8 (15.9)	13/16 (20.6)	25,000

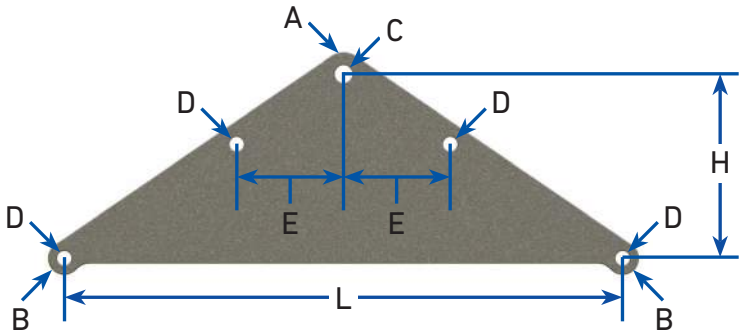
DIMENSIONS

A custom **FIBERLIGN Dielectric Double Suspension** is offered for applications that have large line angles up to 80 degrees. Its two suspensions are spaced apart but share the same structural reinforcing rods and outer rods. A Yoke Plate is used to attach both suspensions to a pole or a structure. For additional details on how to order the FIBERLIGN Dielectric Double Suspension, please contact PLP.



FIBERLIGN Dielectric Double Suspension

Cable Diameter Range		Dimensions in (mm)				Maximum Vertical Load
in	mm	J	K	L	M	lb
0.354 – 0.458	9.0 – 11.6	2-5/32 (54.8)	3-9/16 (90.4)	18 (457.2)	9 (228.6)	30,000
0.459 – 0.565	11.7 – 14.3	2-11/32 (59.5)	4 (101.6)	18 (457.2)	9 (228.6)	40,000
0.566 – 0.625	14.4 – 15.8	2-17/32 (64.3)	4-3/8 (111.1)	22 (558.8)	11 (279.4)	40,000
0.626 – 0.786	15.9 – 19.9	2-45/64 (68.7)	4-25/32 (121.4)	26 (660.4)	13 (330.2)	50,000
0.787 – 0.855	20.0 – 21.6	3-5/32 (80.2)	5-9/16 (141.3)	29 (736.6)	14-1/2 (368.3)	50,000
0.856 – 1.057	21.7 – 26.8	2-31/32 (75.4)	5-1/2 (139.7)	32 (812.8)	16 (406.4)	50,000
1.058 – 1.208	26.9 – 30.7	3-3/16 (81.0)	6 (152.4)	37 (939.8)	18-1/2 (469.9)	50,000



Yoke Plate

Catalog Number	Cable Diameter Range		Dimensions in (mm)							Plate Thickness
	in	mm	A (Radius)	B (Radius)	C (Dia.)	D (Dia.)	E	L	H	in (mm)
YP-5908	0.354 – 0.565	9.0 – 14.3	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	3-1/2 (88.9)	18 (457.2)	6-1/4 (158.8)	5/8 (15.9)
YP-5909	0.566 – 0.625	14.4 – 15.8	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	4-3/16 (106.4)	22 (558.8)	7-1/4 (184.2)	5/8 (15.9)
YP-5910	0.626 – 0.786	15.9 – 19.9	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	4-15/16 (125.4)	26 (660.4)	8-1/2 (215.9)	3/4 (19.1)
YP-5911	0.787 – 0.855	20.0 – 21.6	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	5-1/2 (139.7)	29 (736.6)	9-1/2 (241.3)	3/4 (19.1)
YP-5912	0.856 – 1.057	21.7 – 26.8	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	6-1/8 (155.6)	32 (812.8)	10-1/2 (266.7)	3/4 (19.1)
YP-5913	1.058 – 1.208	26.9 – 30.7	1-1/4 (31.8)	15/16 (23.8)	1 (25.4)	13/16 (20.6)	7-1/16 (179.4)	37 (939.8)	11-3/4 (298.5)	3/4 (19.1)

ORDERING INFORMATION

Select the appropriate **FIBERLIGN Dielectric Suspension** based on the diameter of the cable on which the suspension will be installed. If the cable you are using does not fall within any of the published ranges, or for trunnion or bracket-type mounting options, please contact PLP for further assistance. For other Dielectric Suspension accessories, refer to the previous pages.

FIBERLIGN Dielectric Suspension

Catalog Number	Cable Diameter Range		SRR Specifications						Outer Rod Specifications					
	in	mm	Rod Length		Rod Diameter		Rods per Set	Color Code	Rod Length		Rod Diameter		Rods per Set	Color Code
			in	m	in	mm			in	m	in	mm		
430010267	0.354 – 0.381	8.9 – 9.6	80	2.03	0.146	3.7	9	Blue	42	1.07	0.204	5.2	11	Blue
43003195	0.399 – 0.418	10.1 – 10.6	80	2.03	0.146	3.7	10	Yellow	42	1.07	0.204	5.2	11	Yellow
43001929	0.419 – 0.439	10.7 – 11.1	80	2.03	0.146	3.7	10	Black	42	1.07	0.204	5.2	11	Black
43009490	0.440 – 0.458	11.2 – 11.6	81	2.06	0.146	3.7	11	White	43	1.09	0.204	6.4	11	White
43003233	0.459 – 0.461	11.7 – 11.7	84	2.13	0.167	4.2	10	Purple	46	1.17	0.250	6.4	10	Orange
43003234	0.462 – 0.476	11.8 – 12.0	84	2.13	0.167	4.2	10	Purple	46	1.17	0.250	6.4	10	Purple
43004061	0.477 – 0.503	12.1 – 12.7	84	2.13	0.146	3.7	12	Orange	46	1.17	0.250	6.4	10	Orange
43004164	0.504 – 0.511	12.8 – 12.9	84	2.13	0.146	3.7	12	Red	46	1.17	0.250	6.4	10	Purple
43009922	0.512 – 0.536	13.0 – 13.6	87	2.21	0.167	4.2	11	Blue	49	1.24	0.250	6.4	11	Blue
43002246	0.537 – 0.559	13.7 – 14.1	87	2.21	0.167	4.2	11	Green	49	1.24	0.250	6.4	11	Green
43004100	0.560 – 0.565	14.2 – 14.3	87	2.21	0.167	4.2	11	Green	49	1.24	0.250	6.4	11	Green
43003235	0.566 – 0.573	14.4 – 14.5	92	2.34	0.182	4.6	11	Black	54	1.37	0.250	6.4	12	Black
43009945	0.574 – 0.598	14.6 – 15.1	92	2.34	0.182	4.6	11	Black	54	1.37	0.250	6.4	12	White
43009965	0.599 – 0.625	15.2 – 15.8	92	2.34	0.182	4.6	12	Brown	54	1.37	0.250	6.4	12	Brown
43003239	0.626 – 0.632	15.9 – 16.0	102	2.59	0.204	5.2	11	Red	63	1.60	0.310	7.9	11	Red
43009760	0.633 – 0.666	16.1 – 16.9	102	2.59	0.204	5.2	11	Red	63	1.60	0.310	7.9	11	Blue
43004965	0.667 – 0.682	17.0 – 17.3	102	2.59	0.204	5.2	12	Yellow	63	1.60	0.310	7.9	11	Green
43009947	0.683 – 0.710	17.4 – 18.0	102	2.59	0.204	5.2	12	Yellow	63	1.60	0.310	7.9	11	Yellow
43004991	0.711 – 0.728	18.1 – 18.4	102	2.59	0.204	5.2	12	White	63	1.60	0.310	7.9	12	Black
43009868	0.729 – 0.744	18.5 – 18.8	102	2.59	0.204	5.2	12	White	63	1.60	0.310	7.9	12	White
43006274	0.745 – 0.750	18.9 – 18.9	102	2.59	0.204	5.2	12	White	63	1.60	0.310	7.9	12	White
43009842	0.751 – 0.786	19.0 – 19.9	102	2.59	0.204	5.2	13	White	63	1.60	0.310	7.9	12	Brown
43003240	0.787 – 0.814	20.0 – 20.6	111	2.82	0.250	6.4	11	Green	72	1.83	0.365	9.3	11	Green
43003058	0.815 – 0.845	20.7 – 21.4	111	2.82	0.250	6.4	12	Yellow	72	1.83	0.365	9.3	11	Yellow
43003028	0.846 – 0.855	21.5 – 21.6	111	2.82	0.250	6.4	12	Green	72	1.83	0.365	9.3	12	Blue
43003230	0.856 – 0.894	21.7 – 22.6	119	3.02	0.250	6.4	12	Black	80	2.03	0.365	9.3	12	Black
43003079	0.895 – 0.907	22.7 – 22.9	119	3.02	0.250	6.4	12	White	80	2.03	0.365	9.3	12	White
43003241	0.908 – 0.916	23.0 – 23.2	119	3.02	0.250	6.4	13	Purple	80	2.03	0.365	9.3	12	Purple
43003242	0.917 – 0.929	23.3 – 23.5	119	3.02	0.250	6.4	13	Brown	80	2.03	0.365	9.3	12	Brown
43003243	0.930 – 0.942	23.6 – 23.9	119	3.02	0.250	6.4	13	Red	80	2.03	0.36	9.3	12	Red
43003244	0.943 – 0.977	24.0 – 24.7	119	3.02	0.250	6.4	13	Orange	80	2.03	0.365	9.3	13	Orange
430010305	0.978 – 1.016	24.8 – 25.7	118	3.00	0.250	6.4	13	Purple	80	2.03	0.365	9.3	12	Purple
430010306	1.017 – 1.057	25.8 – 26.8	118	3.00	0.250	6.4	14	Red	80	2.03	0.365	9.3	12	Red
430010307	1.058 – 1.079	26.9 – 27.3	133	3.38	0.250	6.4	14	Blue	95	2.41	0.365	9.3	13	Blue
430010308	1.080 – 1.112	27.4 – 28.1	133	3.38	0.250	6.4	14	Green	95	2.41	0.365	9.3	13	Green
430010309	1.113 – 1.149	28.2 – 29.1	133	3.38	0.250	6.4	15	Yellow	95	2.41	0.365	9.3	13	Yellow
43003778	1.150 – 1.190	29.2 – 30.1	131	3.33	0.250	6.4	15	Red	92	2.34	0.365	9.3	15	Red

NOTE: To order the FIBERLIGN Dielectric Double Suspension, please contact PLP.

FIBERLIGN®

SLACKLOOP® DROP CABLE STORAGE BRACKET

The **SLACKLOOP® Drop Cable Storage Bracket** stores slack cables in aerial, pole mount, vault, and wall entrance installations. The 8" diameter size stores round drop cables up to 0.400" outer diameter or flat drop cables. Hanger bracket options are available to mount the Drop Cable SLACKLOOP Bracket from either ADSS or lashed messenger cable. Other options are available for pole/wall mounts, or to mount brackets together.

FEATURES AND BENEFITS

- 8" (203 mm) diameter slack storage loop for round-profile or flat drop cable applications
- Made from all-dielectric, UV-resistant material
- Can be used for aerial, pole/wall, or vault applications
- Can be stacked together (using the Stacking Kit) to manage multiple drop cables at the same location
- Made with molded-in nut pockets and hanger guides to help simplify installation
- Made with molded-in capture tabs to help route cables and minimize the need for cable straps

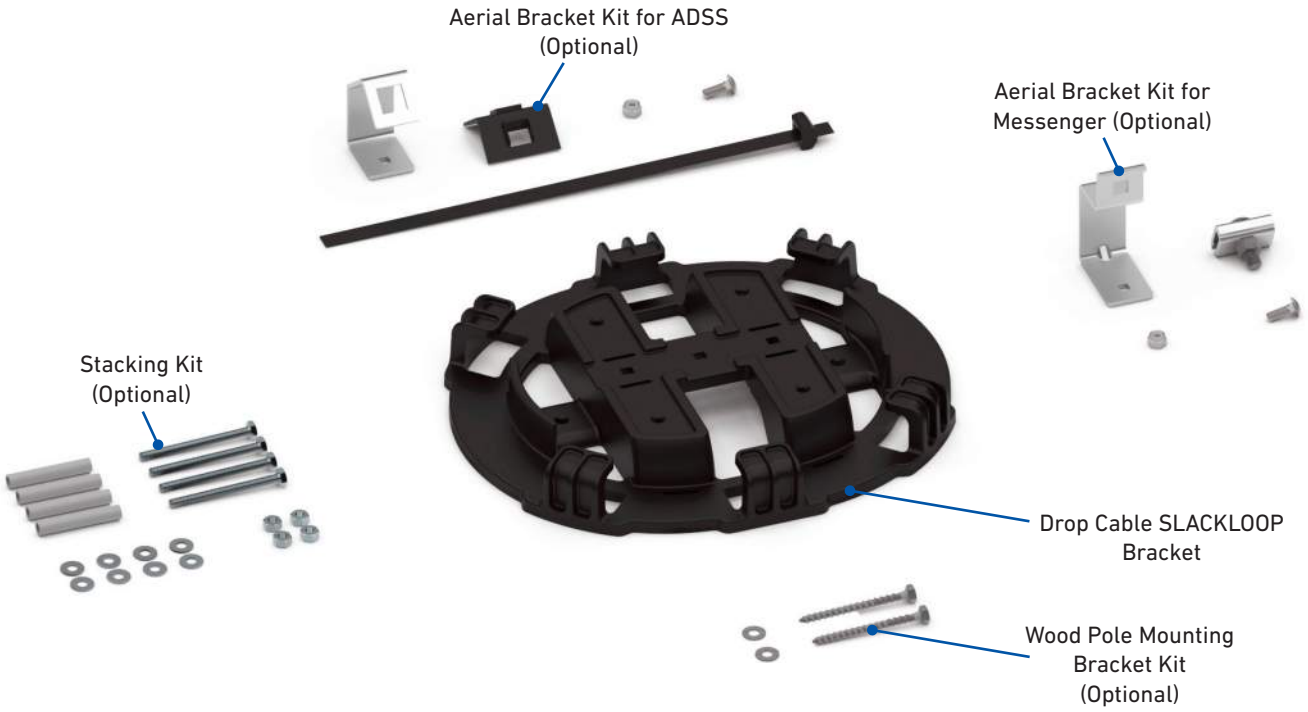
SPECIFICATIONS

SLACKLOOP Drop Cable Storage Bracket

Bracket Size	Maximum Cable Diameter	Maximum Cable Storage Length[1]		
		0.40 OD Round	Flat Drop	ROC™ Drop
in (mm)	in (mm)	ft (m)		
8 (203.2)	0.40 (10.2)	18.5 (5.5)	50 (15.2)	80 (24.4)

[1] To determine the maximum cable storage for multiple cables of the same diameter, divide the number of cables being stored in the bracket by the the maximum cable storage amount.

COMPONENTS



Component	Description
SLACKLOOP Drop Cable Storage Bracket	Commonly installed in vaults or on walls near service entrances. Stores slack fiber optic drop cables that have a minimum cable bend diameter ≤ 8". Molded-in capture tabs to help restrain the cable(s) within the bracket while routing and storing the cable(s). Molded-in nut pockets and hanger bracket guides aid installation of various mounting bracket options.
Stacking Kit (Optional)	Stack 2 or more storage brackets aerially, on poles, walls, or in vaults
Aerial Bracket Kit for ADSS (Optional)	Mount the Drop Cable SLACKLOOP Bracket from ADSS cables
Aerial Bracket Kit for Messenger (Optional)	Mount the Drop Cable SLACKLOOP Bracket from messenger wire cables with a 1/4" or 5/16" metallic messenger
Wood Pole Mounting Kit (Optional)	Mount the Drop Cable SLACKLOOP Bracket directly to a wood pole

MOUNTING OPTIONS

Aerial Mount – ADSS

- Molded-in guides located on the top surface of the storage bracket keep the aerial bracket from rotating during installation.
- Plastic press-in cushion is used to protect the ADSS cable from cable abrasion at the hanger bracket interface.
- UV-resistant strap is used to secure the hanger bracket to the ADSS cable.

SLACKLOOP® Drop Cable Storage Bracket Mounted on ADSS Cable

Aerial Mount – Messenger

- Molded-in guides located on the top surface of the storage bracket keep the aerial bracket from rotating during installation.
- Messenger clamp is used to secure the hanger bracket directly to the messenger wire.

SLACKLOOP Drop Cable Storage Bracket Mounted on Messenger

Pole Mount

- Bracket can be mounted either horizontally or vertically.
- For metal or cement poles, the bracket can be banded directly to the pole with a maximum 3/4" width banding material or strap (not provided).

SLACKLOOP Drop Cable Storage Bracket Mounted on Wood Pole

Wall/Handhole Mount

- For wall/handhole mounting applications, the bracket can be secured using common 1/4" corrosion-resistant wood screws.
- Bracket can be mounted either horizontally or vertically.
- Hardware items required to mount the storage bracket must be purchased separately.

SLACKLOOP Drop Cable Storage Bracket Mounted in Handhole

STACKING OPTIONS

Standard

- Requires Stacking Kit **(Catalog Number: 7400030)**, which includes spacers, bolts, washers, and nylon lock nuts
- Spacers in the kit prevent stress on stacked brackets

Back-to-Back

- Can be joined with two 1/4"-20 x 1-1/4" bolts, two 1/4" washers, and two 1/4" lock nuts – must be purchased separately
- Not recommended for pole, wall, or handhole applications

Standard Stacking of SLACKLOOP Drop Cable Storage Brackets using the Stacking Kit (**Catalog Number: 7400030**)

Back-to-Back Stacking of SLACKLOOP Drop Cable Storage Brackets (Aerial Applications ONLY)

ORDERING INFORMATION

Select the appropriate storage bracket based on the application for which it will be used.

Bracket Assemblies

Catalog Number	Description	Contents
FDC8	Bracket Only	(1) Storage Bracket
FDC8M	Bracket with Messenger Kit	(1) Storage Bracket, (1) Messenger Hanger Bracket, (1) Messenger Clamp, (1) 1/4" Carriage Bolt, and (1) 1/4" Nylon Lock Nut
FDC8A	Bracket with ADSS Kit	(1) Storage Bracket, (1) ADSS Hanger Bracket, (1) Plastic Cushion, (1) Plastic Cable Strap, (1) 1/4" Carriage Bolt, and (1) 1/4" Nylon Lock Nut
FDC8P	Bracket with Wood Pole Kit	Includes (1) Storage Bracket, (2) 1/4" x 3" Lag Bolts, and (2) 1/4" Washers

Accessories

Catalog Number	Description	Contents
7400029	Messenger Kit	Hanger Bracket Kit – Includes (1) Messenger Hanger Bracket, (1) Messenger Clamp, (1) 1/4" Carriage Bolt, and (1) 1/4" Nylon Lock Nut
7400028	ADSS Kit	(1) ADSS Hanger Bracket, (1) Plastic Cushion, (1) Plastic Cable Strap, (1) 1/4" Carriage Bolt, and (1) 1/4" Nylon Lock Nut
7400030	Wood Pole Kit	(4) Plastic Spacers, (4) 1/4" x 3" Bolts and (8) 1/4" Washers, and (4) 1/4" Nylon Lock Nuts

SLACKLOOP® CABLE STORAGE SYSTEMS

ALUMINUM AND PLASTIC

The **SLACKLOOP® Cable Storage Systems – Aluminum and Plastic** are designed to store slack ADSS or lashed messenger fiber optic cables within the span. The storage brackets can accommodate a range of fiber optic cable sizes for buffer-tube-style ADSS and lashed messenger cable systems, as well as conventional and high-density ribbon-style cables. Kits can be customized to include aerial mounting brackets and cable protection options for pole passing.

FEATURES AND BENEFITS

- Neatly organizes cable storage within the span
- Available in black powder-coated aluminum or all-dielectric, UV-resistant plastic
- Multiple sizes to cover a wide range of cable loop diameters
- Available with hanger brackets for aerial mounting on either lashed messenger cable or ADSS
- Hanger brackets have a simple one bolt and lock nut attachment
- ADSS kit includes a press-in plastic cushion to prevent cable abrasion at the hanger-bracket interface
- Available with optional Abrasion Protectors or the Uni-Group Cable Guide to protect slack cable that passes the pole
- Low-profile Uni-Group Cable Guide routes cables through congested areas on the pole or structure

BRACKET OPTIONS

- **SLACKLOOP Cable Storage Systems** can be mounted to either ADSS or lashed messenger cable.
- The number of cable wraps within the brackets depends on the diameter of the cable(s) as well as the storage bracket size.

SINGLE LOOP

10" (254 mm) | 12" (305 mm) | 16" (406 mm) | 18" (457 mm) | 20" (508 mm) | 24" (610 mm) | 30" (762 mm)

ALUMINUM

MULTIPLE LOOP

12" (305 mm) | 16" (406 mm) | 18" (457 mm)

ALUMINUM WIDE-CHANNEL

12" (305 mm) | 16" (406 mm) | 18" (457 mm)

PLASTIC

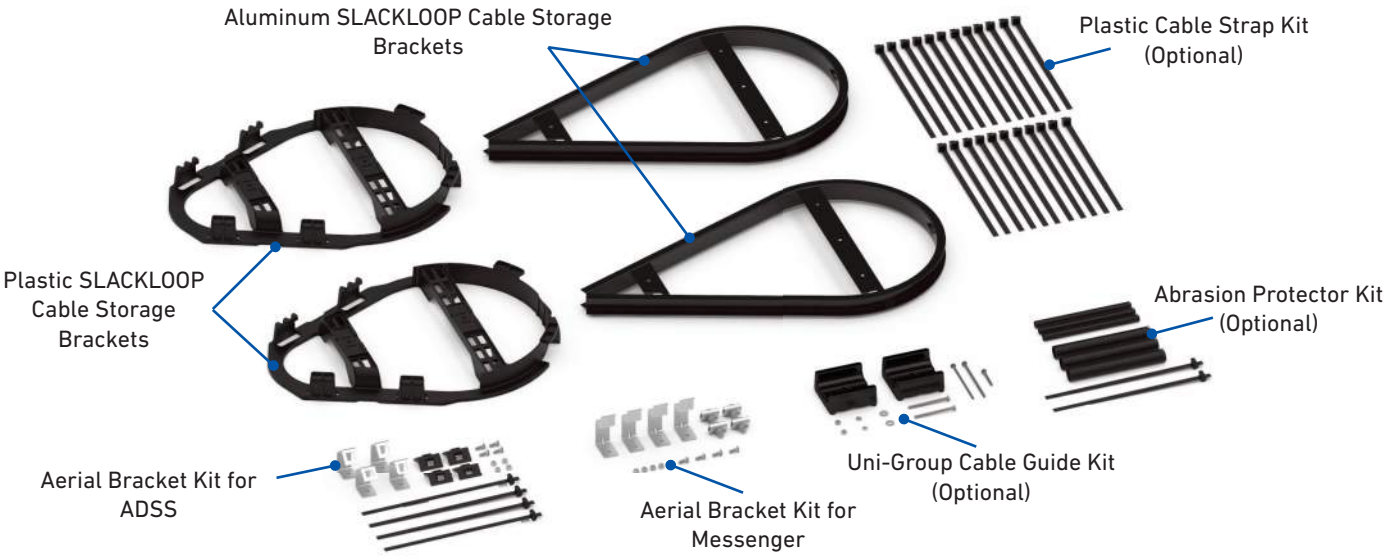
SPECIFICATIONS

SLACKLOOP Cable Storage System

Storage Bracket Size	Maximum Cable Diameter[1]
in (mm)	in (mm)
10 (254)	0.50 (12.7)
12 (305)	0.60 (15.2)
16 (406)	0.80 (20.3)
18 (457)	0.90 (22.9)
20 (508)	1.00 (25.4)
24 (610)	1.20 (30.5)
30 (762)	1.50 (38.1)

[1]These diameters are based on the buffer-tube-style cables. Consult the cable manufacturer to verify the cable's minimum bend diameter for proper storage bracket selection.

COMPONENTS



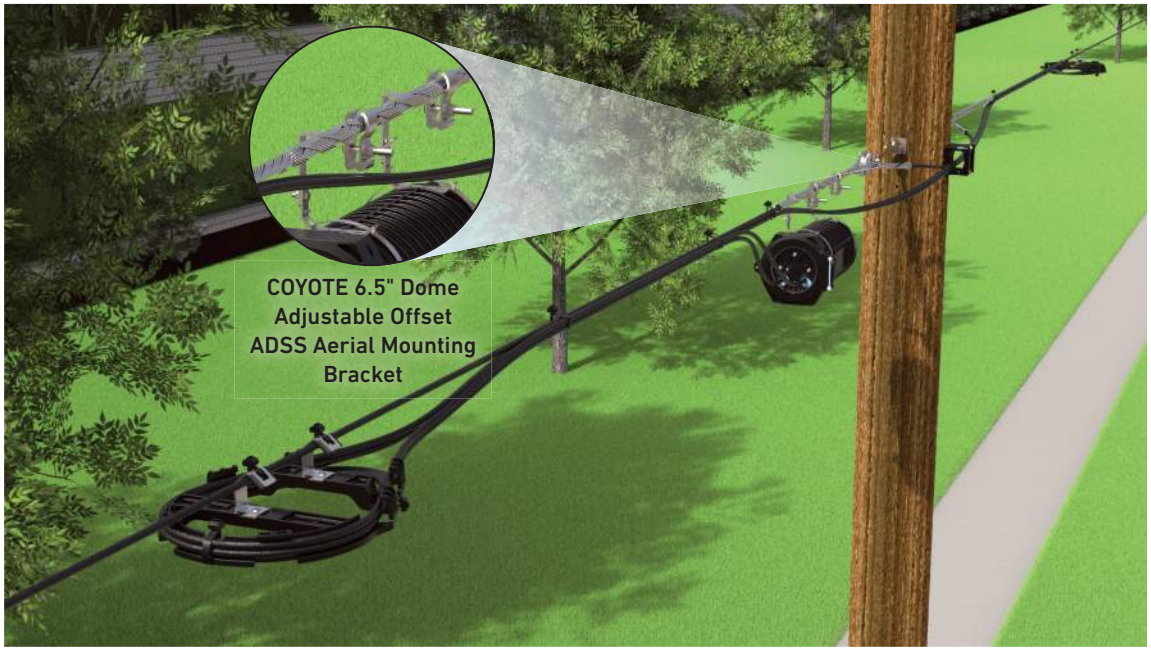
Component	Description
Aluminum SLACKLOOP Cable Storage Brackets	Store slack fiber optic cables. Has a formed channel to route cable(s) in and tie wrap slots to secure the cable(s) to the bracket.
Plastic SLACKLOOP Cable Storage Brackets	Store slack fiber optic cables. Molded-in capture tabs to help restrain the cable(s) within the bracket while routing and molded-in tie wrap slots. Molded-in hanger bracket guides to aid installation.
Aerial Bracket Kit for Messenger	Mount the Aluminum or Plastic SLACKLOOP Cable Storage Brackets from messenger wire cables with a 1/4" or 5/16" metallic messenger
Aerial Bracket Kit for ADSS	Mount the Aluminum or Plastic SLACKLOOP Cable Storage Brackets from ADSS cables.
Plastic Cable Strap Kit (Optional)	Provides 25 straps to use to secure the slack loop cable to the main cable span.
Uni-Group Cable Guide Kit (Optional)	Used to protect cables from abrasion as they pass the pole. Guide is comprised of two identical halves that are made from a dielectric material with smooth surfaces to ensure that the cables are not damaged. Molded-in banding channel is large enough to accept 3/4" wide high-strength banding (not supplied) for mounting the guide to concrete or steel poles. Molded-in pass through holes to accept the hardware used to secure the halves together.
Abrasion Protector Kit (Optional)	Protects cables from abrasion as they pass the pole. Protectors are slit for easy installation and are secured with plastic straps.

MOUNTING OPTIONS

Aerial Mount – ADSS

ADSS Mounting Bracket Kit includes the appropriate hardware to mount two ADSS hanger brackets to each storage bracket.

- Each hanger bracket is secured to the storage bracket with a carriage bolt and a nylon lock nut
- Plastic press-in cushion is used to protect against cable abrasion at the hanger/bracket interface.
- UV-resistant strap is used to secure the hanger/bracket to the ADSS cable.



Aerial Mount – Messenger

Messenger Mounting Bracket Kit includes the appropriate hardware to mount two messenger hanger brackets to each storage bracket.

- Each hanger bracket is secured to the storage bracket with a carriage bolt and a nylon lock nut.
- Messenger clamp secures the hanger bracket directly to the messenger wire.

CABLE PROTECTION OPTIONS

Cable Abrasion Protectors

- 8" polyethylene splice sleeves secured with two plastic straps (provided)
- Two sizes: diameters up to 0.500" and 0.501" - 1.00"

Cable Abrasion Protectors Installed on Cables

Uni-Group Cable Guide (UCG)

- Captures up to five 1.00" diameter cables with a 4.25" pole space
- Can be banded with 3/4" banding (not included)

Uni-Group Cable Guide Installed on Wood Pole

CLOSURE MOUNTING BRACKET OPTIONS

- Closure mounting bracket kits are offered seperately for instances when the Aluminum or Plastic SLACKLOOP System is being used to store slack cable for butt splice closure applications.
- Armor Rods are offered for ADSS cable protection when the closure is mounted further into the span beyond the dead-end.

Closure Mounting Bracket Kits

Catalog Number	Description
8003474	COYOTE® RUNT Adjustable Offset Aerial Mounting Bracket Kit for ADSS Applications
8003864	COYOTE® In-Line RUNT and Terminal Closure (Single Chamber) Aerial Mounting Bracket Kit for ADSS Applications
8003797	COYOTE® In-Line RUNT and Terminal Closure (Single Chamber) Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8004179	COYOTE® In-Line RUNT and Terminal Closure (Single Chamber) Low Clearance Horizontal Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8004032	COYOTE® ONE Adjustable Offset Aerial Mounting Bracket Kit for ADSS Applications
EVOBKT-AE	COYOTE® ONE Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8003459	COYOTE® PUP, 6" x 22", & 8.5" x 22" Closure Adjustable Offset Aerial Mounting Bracket Kit for ADSS Applications
8003325	COYOTE® PUP, 6" x 22", & 8.5" x 22" Closure Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8004036	COYOTE® 6.5" Dome & Terminal Dome Adjustable Offset Aerial Mounting Bracket Kit for ADSS Applications
8004035	COYOTE® 6.5" Dome & Terminal Dome Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8004038	COYOTE® 9.5" Dome & Terminal Dome Adjustable Offset Aerial Mounting Bracket Kit for ADSS Applications
8004037	COYOTE® 9.5" Dome & Terminal Dome Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications
8003426	COYOTE® Stainless Steel Splice Case Adjustable Offset Aerial Mounting Bracket Kit for Lashed Messenger Cable Applications

ADSS Armor Rods

Catalog Number	Cable Diameter Range		Rod Diameter		Rods per Set	Subsets	Color Code	Length	
	in	mm	in	mm				in	m
1000172	0.400 – 0.450	10.1 – 11.4	0.102	2.6	15	5 – 5 – 5	Red	27	0.69
1000173	0.451 – 0.509	11.5 – 12.9	0.102	2.6	15	5 – 5 – 5	Black	27	0.69
1000174	0.510 – 0.575	13.0 – 14.6	0.102	2.6	16	4 – 4 – 4 – 4	Blue	27	0.69
1000175	0.576 – 0.649	14.7 – 16.4	0.102	2.6	18	5 – 5 – 4 – 4	Orange	27	0.69
1000176	0.650 – 0.730	16.5 – 18.5	0.121	3.0	17	5 – 5 – 4 – 4	Green	27	0.69
1000177	0.731 – 0.820	18.6 – 20.8	0.121	3.0	19	5 – 5 – 4 – 4	Brown	27	0.69
1000178	0.821 – 0.920	20.9 – 23.3	0.136	3.5	19	5 – 5 – 4 – 4	Yellow	27	0.69
1000179	0.921 – 1.007	23.4 – 25.6	0.136	3.5	20	5 – 5 – 5 – 5	Purple	27	0.69

ORDERING INFORMATION

- **Aluminum SLACKLOOP System** includes two cable storage brackets and two pairs of hanger brackets.
- Cable straps and cable protection kits are optional.

Aluminum SLACKLOOP System Catalog Number

FISA XX XX X - X X
(Section 1) (Section 2) (Section 3) (Section 4) (Section 5)

Catalog Number Example: FISA18AB-U
Includes (2) Standard 18" Aluminum Storage Brackets, (4) ADSS Hanger Brackets, and (1) Uni-Group Cable Guide

Section 1

Storage Bracket Size (Select 1)	
10	10" Aluminum Storage Brackets
12	12" Aluminum Storage Brackets
16	16" Aluminum Storage Brackets
18	18" Aluminum Storage Brackets
20	20" Aluminum Storage Brackets
24	24" Aluminum Storage Brackets
30	30" Aluminum Storage Brackets

Section 2

Hanger Bracket Type (Select 1)	
MB	Messenger Hanger Brackets
AB	ADSS Hanger Brackets

Section 3

Channel Width (Select 1)	
Leave Blank	Standard
W	Wide
12", 16", 18" Only	

Section 4

Plastic Cable Straps (Select 1)	
Leave Blank	No Plastic Cable Straps
T	Pack of 25 Plastic Cable Straps

Section 5

Cable Protection Type (Select 1)	
Leave Blank	No Cable Protection
U	Uni-Group Cable Guide
A	Abrasion Protector Kit

- **Plastic SLACKLOOP System** includes two cable storage brackets and two hanger brackets.
- Cable straps and cable protection kits are optional.

Plastic SLACKLOOP System Catalog Number

FIS XX X - X X
(Section 1) (Section 2) (Section 3) (Section 4)

Catalog Number Example: FIS16A-TU
Includes (2) 16" Plastic Storage Brackets, (4) ADSS Hanger Brackets, (1) Pack of 25 Plastic Cable Straps, and (1) Uni-Group Cable Guide

Section 1

Storage Bracket Size (Select 1)	
12	12" Plastic Storage Brackets
16	16" Plastic Storage Brackets
18	18" Plastic Storage Brackets

Section 2

Hanger Bracket Type (Select 1)	
M	Messenger Hanger Brackets
A	ADSS Hanger Brackets

Section 3

Plastic Cable Straps (Select 1)	
Leave Blank	No Plastic Cable Straps
T	Pack of 25 Plastic Cable Straps

Section 4

Cable Protection Type (Select 1)	
Leave Blank	No Cable Protection
U	Uni-Group Cable Guide
A	Abrasion Protector Kit

SLACKLOOP® CABLE STORAGE SYSTEM

CENTER-LOCK

The **SLACKLOOP® Cable Storage System – Center-Lock** is designed to make storing slack fiber optic cable easier at a minimal cost. The center-lock hinge bracket design allows users to install the storage brackets directly on the cable span and eliminate the use of excess attachment components and metal fasteners.

FEATURES AND BENEFITS

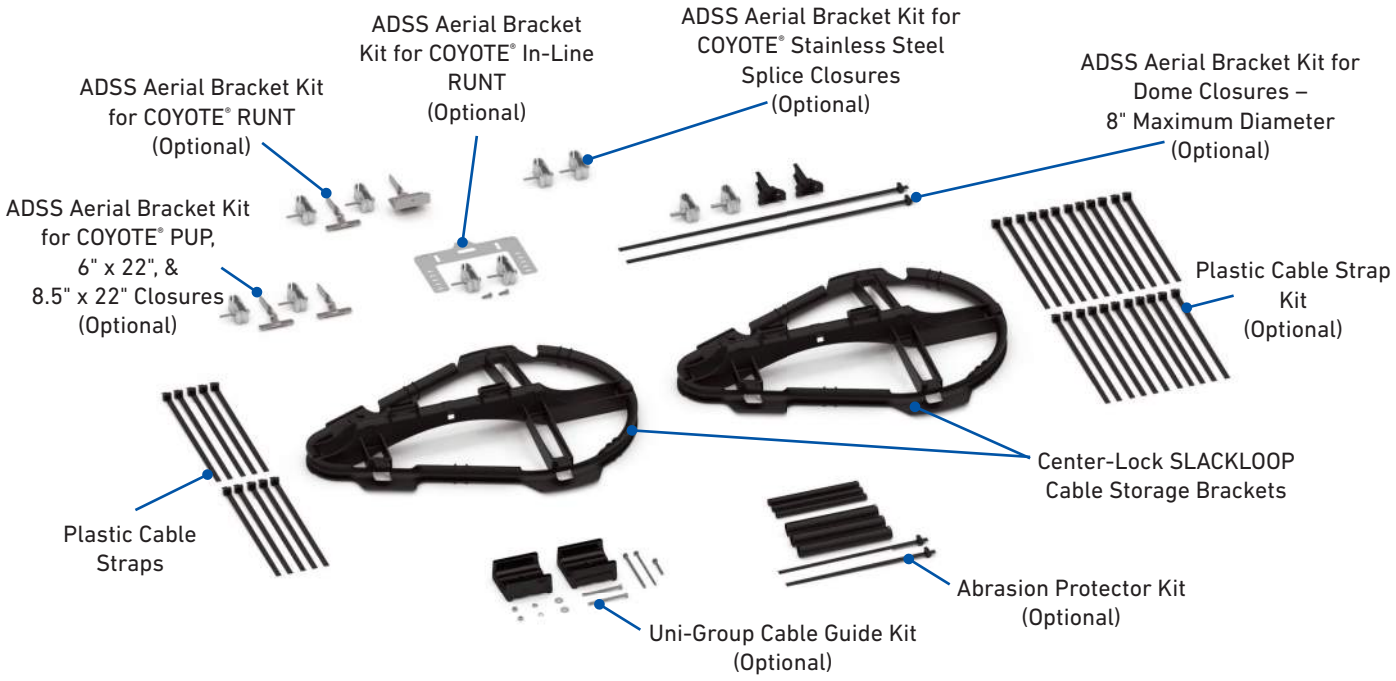
- Neatly organizes storage of cable and splice closures within the span instead of on a structure
- Storage bracket accepts cable loops from 18" (457 mm) to 20" (508 mm) in diameter.
- Design allows storage bracket to hinge open and rest on top of the span for convenient positioning and attachment.
- Heavy-duty plastic straps secure and lock the brackets to the main cable span, eliminating the need for special hanger brackets or tools.
- Available with either Abrasion Protectors or the Uni-Group Cable Guide to protect slack cable that passes the pole
- Low-profile Uni-Group Cable Guide routes cables through congested areas on the pole or structure.
- Storage brackets are made from an all-dielectric, UV-resistant material.

SPECIFICATIONS

SLACKLOOP Cable Storage System – Center-Lock

Storage Bracket Size	Maximum Cable Diameter
in (mm)	in (mm)
20 (508)	1.00 (25.4)

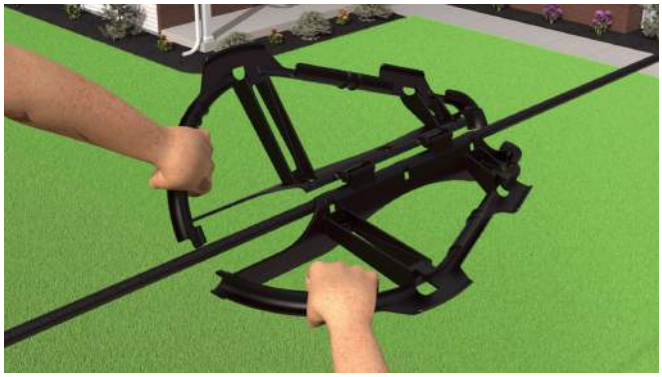
COMPONENTS



Component	Description
Center-Lock SLACKLOOP Cable Storage Brackets	Brackets store slack fiber optic cables that have a maximum bend diameter of 20". Each bracket has a male and female half that are joined at the center-lock hinge. Molded-in expansion tabs that allow for cables up to 1" in diameter to be stored.
Plastic Cable Straps	10 cable straps are provided to secure the storage brackets to the main cable span and to secure the cable loops within the storage brackets.
Splice Closure Mounting Bracket Kits (Optional)	Used to mount either a COYOTE® PUP Closure , COYOTE® 6" x 22" Closure, COYOTE® 8.5" x 22" Closure, COYOTE® RUNT Closure, COYOTE® In-Line RUNT Closure, COYOTE® Stainless Steel Splice Case, or a dome-style closure that has a diameter of 8" or less from a cable dead-end within the slack loop section of the span.
Plastic Cable Strap Kit (Optional)	Provides 25 additional straps to secure the slack loop cable to the main cable span
Uni-Group Cable Guide Kit (Optional)	Used to protect cables from abrasion as they pass the pole. Two identical guide halves are made from a smooth dielectric material to ensure that the cables are not damaged as they pass through the guide. Molded-in banding channel large enough to accept 3/4" wide high-strength banding for mounting the guide to concrete or steel poles. Molded-in pass through holes to accept the hardware used to secure the halves together.
Abrasion Protector Kit (Optional)	Used to protect cables as they pass the pole. Protectors are slit for easy installation and are secured with plastic straps.

BRACKET DESIGN

The **Center-Lock SLACKLOOP® Storage Bracket** is a two-piece design that joins at a central hinge point and swings open for easy placement onto the tensioned main cable span. The long hinge rests directly onto the cable, distributing the surface pressure over a non-abrasive surface. Additional hanger brackets are not needed as the unit is easily secured using durable heavy-duty cable straps.



Center-Lock Storage Bracket Hinged Open

Center-Lock Storage Bracket Secured on Cable Span

CABLE PROTECTION OPTIONS

Cable Abrasion Protectors

- 8" polyethylene splice sleeves secured with two plastic straps (provided)
- Two sizes: diameters up to 0.500" and 0.501" - 1.00"

Uni-Group Cable Guide (UCG)

- Captures up to five 1.00" diameter cables with a 4.25" pole space
- Can be banded with 3/4" banding (not included)

Cable Abrasion Protectors Installed on Cables

Uni-Group Cable Guide Installed on Wood Pole

APPLICATIONS

Cable Slack Loop

Slack Cable Storage for Splice Closures

CLOSURE MOUNTING BRACKET OPTIONS

The **Center-Lock SLACKLOOP® System** can be ordered with splice closure mounting brackets for areas where dead-ends or ADSS Armor Rods are applied. (Refer to the ORDERING INFORMATION for specific suffix codes for each mounting bracket kit). ADSS Armor Rods are offered separately and can be ordered by using the chart below.

COYOTE® RUNT Mounted to Dead-End

COYOTE® 6" x 22" Closure Mounted to Dead-End

COYOTE® In-RUNT Mounted to Dead-End

COYOTE® 6.5" x 17" Dome Closure Mounted to Dead-End

COYOTE® Stainless Steel Splice Case Mounted on ADSS Armor Rods

ADSS Armor Rods

Catalog Number	Cable Diameter Range		Rod Diameter		Rods per Set	Subsets	Color Code	Length	
	in	mm	in	mm				in	m
1000172	0.400 – 0.450	10.1 – 11.4	0.102	2.6	15	5 – 5 – 5	Red	27	0.69
1000173	0.451 – 0.509	11.5 – 12.9	0.102	2.6	15	5 – 5 – 5	Black	27	0.69
1000174	0.510 – 0.575	13.0 – 14.6	0.102	2.6	16	4 – 4 – 4 – 4	Blue	27	0.69
1000175	0.576 – 0.649	14.7 – 16.4	0.102	2.6	18	5 – 5 – 4 – 4	Orange	27	0.69
1000176	0.650 – 0.730	16.5 – 18.5	0.121	3.0	17	5 – 5 – 4 – 4	Green	27	0.69
1000177	0.731 – 0.820	18.6 – 20.8	0.121	3.0	19	5 – 5 – 4 – 4	Brown	27	0.69
1000178	0.821 – 0.920	20.9 – 23.3	0.136	3.5	19	5 – 5 – 4 – 4	Yellow	27	0.69
1000179	0.921 – 1.007	23.4 – 25.6	0.136	3.5	20	5 – 5 – 5 – 5	Purple	27	0.69

FILLER TUBES

For relatively small diameter cables approaching 0.40" (10 mm), an optional filler tube may be used to increase the outer diameter of the cable to better retain the main cable that resides against the hinge of the Center-Lock bracket. This can help keep the bracket in place during installation. The pliable filler tubes are 20" long and are slit for easy installation.

Cable Installed in Center-Lock Storage Bracket with Filler Tubes

Filler Tube Kit – 10-pack (**Catalog Number: 699912980**)

ORDERING INFORMATION

All **Center-Lock SLACKLOOP System** Kits include two cable storage brackets, ten cable straps, and optional cable abrasion protection. Additional cable straps and ADSS mounting bracket kits are ordered separately.

Center-Lock SLACKLOOP System Catalog Number

710012375 X X X
(Section 1) (Section 2) (Section 3)

Catalog Number Example: 710012375D1UT1
Includes (2) Storage Brackets, (1) Dome ADSS Aerial Hanger Bracket Kit, (1) Uni-Group Cable Guide, & (1) 25 Pack of Cable Straps

Section 1

Closure ADSS Aerial Hanger Bracket Kits (Select 1)	
Leave Blank	No ADSS Hanger Bracket Kit – For Slack Loop Storage Only
R	COYOTE® RUNT
R1	COYOTE® In-Line RUNT
C	COYOTE® PUP, COYOTE® 6" x 22" Closure, or COYOTE® 8.5" x 22" Closure
D1	Dome Style Closure (Maximum OD of 8")
S	COYOTE® Stainless Steel Splice Closure – ADSS Clamps ONLY (Mounting Brackets Included with Closure Kit)

Section 2

Cable Protection Type (Select 1)	
Leave Blank	No Cable Protection
U	Uni-Group Cable Guide
A	Abrasion Protector Kit

Section 3

Plastic Cable Straps (Select 1)	
Leave Blank	No Additional Plastic Cable Straps (Kit includes 10)
T1	Pack of 25 Additional Plastic Cable Straps

SLACKLOOP® VERTICAL CABLE STORAGE

ADJUSTABLE SPOOL

The **SLACKLOOP Vertical Cable Storage System – Adjustable Spool** neatly stores slack ADSS cable on wood poles, concrete poles, and lattice towers while maintaining the appropriate cable bend radius. The Adjustable Spool Vertical SLACKLOOP System consists of independent crossarms and spools that can be placed any distance away from each other on the structure to adjust for the desired storage length. Cable straps (not provided) can be used to neatly group cable loops and secure the slack loops to spools or keepers, if desired.

FEATURES AND BENEFITS

- Various configurations can be created with standard crossarm and spool kits
- Short and long crossarm options are available
- Long crossarms allow spools to be attached at various positions at each end of the crossarm
- Mounting options available to accommodate most structures
- Accommodates cable manufacturer-suggested storage diameters
- Black urethane storage spools provide a soft, smooth surface to support and protect cable
- Steel components are galvanized or zinc plated to prevent corrosion
- Can be used with the COYOTE® Defender for ballistic protection
- Short crossarm 2 ft loop creates 130 ft storage
- Long crossarm 5 ft loop creates 300 ft storage

ORDERING INFORMATION

Select the appropriate **Adjustable Spool Vertical SLACKLOOP System** kit(s) based on the configurations shown at the bottom of the page.

Catalog Number: 8003503

Catalog Number: 8003503B1

Catalog Number: 8003503LTC1

Catalog Number: 800011408

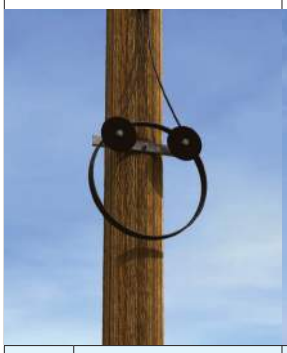
Catalog Number: 8003493

Catalog Number: 8003569

Adjustable Spool Vertical SLACKLOOP System

Catalog Number	Product	Description
8003503	Cable Storage Spool	Includes (1) Cable Storage Spool
8003503B1	Cable Storage Spool with Banding Bracket	Includes (1) Cable Storage Spool, (1) Banding Bracket, (1) 5/8"-11 x 6" Bolt, (1) 5/8"-11 Nut, (1) 5/8" Lock Washer, & (1) 5/8" Washer
8003503LTC1	Cable Storage Spool with Lattice Tower Clamp	Includes (1) Cable Storage Spool, (1) Lattice Tower Clamp, (1) 5/8"-11 x 8" Bolt, (1) 5/8"-11 Nut, (1) 5/8" Lock Washer, & (1) 5/8" Washer
800011408	Single Short Crossarm with Spools	Includes (2) Cable Storage Spools, (1) Short Crossarm, (2) 5/8"-11 x 6" Bolts, (2) 5/8"-11 Nuts, (2) 5/8" Lock Washers, & (2) 5/8" Washers
8003493	Single Long Crossarm with Spools	Includes (2) Cable Storage Spools, (1) Long Crossarm, (2) 5/8"-11 x 6" Bolts, (2) 5/16"-18 x 1" Bolts, (2) 5/8"-11 Nuts, (2) 5/8" Lock Washers, & (2) 5/8" Washers
8003569	Dual Long Crossarms with Spools	Includes (4) Cable Storage Spools, (2) Long Crossarm, (4) 5/8"-11 x 6" Bolts, (4) 5/16"-18 x 1" Bolts, (4) 5/8"-11 Nuts, (4) 5/8" Lock Washers, & (4) 5/8" Washers

System Configurations

<table>
<tr><td colspan="2">Single Arm for Bolted or Banded Applications</td><td colspan="2">Single Arm and Single Spool for Bolted Applications</td><td colspan="2">Dual Arm for Bolted, Banded, or COYOTE® Defender Applications</td><td colspan="2">Single Arm and Single Spool for Banded Applications</td><td colspan="2">Single Spools for Lattice Tower Applications</td></tr>
<tr><td colspan="2">  </td><td colspan="2">  </td><td colspan="2">  </td><td colspan="2">  </td><td colspan="2">  </td></tr>
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<tr><td>1</td><td>8003503</td><td>1</td><td>8003493B1</td></tr>
</table>

NOTE: 5/8" through bolts, 5/8" double-arming bolts, banding, and the COYOTE® Defender are not supplied. 5/8" through bolts and double-arming bolts are typically used to mount crossarms and spools to wood poles.

SLACKLOOP® VERTICAL CABLE STORAGE

FIXED CROSSARM

The **SLACKLOOP Vertical Cable Storage System – Fixed Crossarm** neatly stores slack ADSS cables on wood poles, concrete poles, and lattice towers. The storage system is available in a 33" or a 60" size and consists of crossarms that are attached to a central vertical bracket that can be bolted or banded to a structure. The crossarm's metal keepers maintain the proper bend radius for the slack cable. Cable straps (not provided) can be used to neatly group cable loops and secure them to keepers, if desired.

FEATURES AND BENEFITS

- Metal channel structural frames provide a durable lightweight design with rigid strength
- Frames are made from corrosion-resistant materials (33" size: aluminum, 60" size: galvanized steel)
- Keyholes along the central vertical bracket allow various splice closures to be mounted using specialized mounting bracket kits
- Wide cable keepers with smooth tapered ends for better cable support
- Factory-installed keepers minimize field assembly, and the product comes in a compact container for easy, efficient storage.

SPECIFICATIONS

33" Fixed Crossarm Vertical SLACKLOOP Bracket

Characteristic	Specification
Storage Bracket Size	33" (838 mm)
Maximum Cable Diameter[1]	1.00" (25.4 mm)
Maximum Cable Storage Length[2]	300 ft (91.4 m) for 0.83" OD Round Cables 210 ft (64.0 m) for 1.00" OD Round Cables

[1]The maximum cable diameter is based on buffer-tube-style cables. For more information regarding other cable types, contact PLP.
[2]To determine the maximum cable storage for multiple cables, divide the number of cables being stored in the bracket by the the maximum cable storage amount.

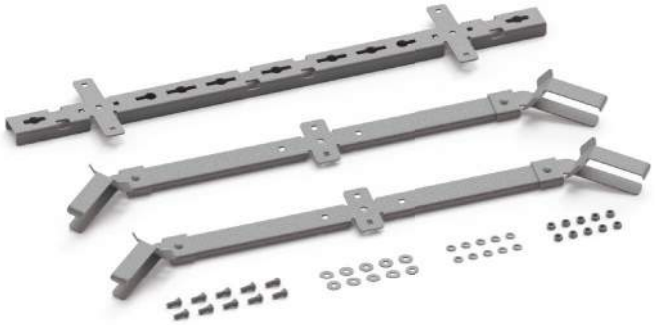
60" Fixed Crossarm Vertical SLACKLOOP Bracket

Characteristic	Specification
Storage Bracket Size	60" (1,524 mm)
Maximum Cable Diameter[1]	1.00" (25.4 mm)
Maximum Cable Storage Length[2]	230 ft (70.1 m) for 0.94" OD Round Cables

[1]The maximum cable diameter is based on buffer-tube-style cables. For more information regarding other cable types, contact PLP.
[2]To determine the maximum cable storage for multiple cables, divide the number of cables being stored in the bracket by the the maximum cable storage amount.

ORDERING INFORMATION

Catalog Number: 8004072E



Catalog Number: 80061195

Fixed Crossarm Vertical SLACKLOOP System

Catalog Number	Product	Description
8004072E	Fixed Crossarm Vertical SLACKLOOP System for 33" Diameter Cable Slack Loops	Includes (2) Crossarms with Keepers, (6) 1/2"-13 x 1-1/2" Carriage Bolts, (6) 1/2"-13 Nuts, (6) 1/2" Lock Washers, & (6) 1/2" Washers
80061195	Fixed Crossarm Vertical SLACKLOOP System for 60" Diameter Cable Slack Loops	Includes (2) Crossarms with Keepers, (1) Vertical Support Bracket, (10) 1/2"-13 x 1-1/4" Carriage Bolts, (10) 1/2"-13 Nuts, (10) 1/2" Lock Washers, & (10) 1/2" Washers

NOTE: 5/8" through bolts, 5/8" double-arming bolts, and banding not supplied. 5/8" through bolts and double-arming bolts are typically used to mount crossarms to wood poles. Two extra carriage bolts are included to mount a splice closure.

ORDERING INFORMATION

Catalog Number: 8004172

Catalog Number: 8004116

Catalog Number: 8004117

Catalog Number: 80812746

Catalog Number: 80812938

Catalog Number: 8004173

Splice Closure Mounting Bracket Kits for 33" or 60" Fixed Crossarm Vertical SLACKLOOP System

Catalog Number	Description
8004172	COYOTE® DTC4/6/8 Mounting Kit
8004116	COYOTE® ONE Mounting Kit
8004117	COYOTE® 6.5" Dome Closure Mounting Kit
80812746	COYOTE® 9.5" x 19" Dome Closure Mounting Kit
80812938	COYOTE® 9.5" x 28" Dome Closure Mounting Kit
8004173[1]	COYOTE® 9.5" x 19" and 9.5" x 28" Terminal Dome Closure Mounting Kit

[1]This kit can be used with other dome-style splice closures like the FOSC™ 450-D6 Closure from CommScope. Contact PLP for more information.

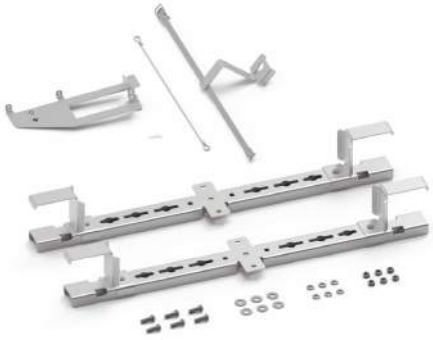
COYOTE® DTC8 Mounted on 33" Fixed Crossarm Vertical SLACKLOOP System

COYOTE® ONE Mounted on 33" Fixed Crossarm Vertical SLACKLOOP System

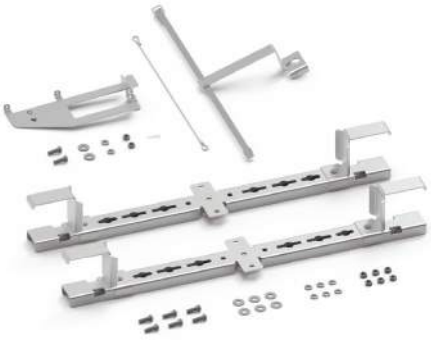
COYOTE® 9.5" x 28" Terminal Dome Mounted on 33" Fixed Crossarm Vertical SLACKLOOP System

ORDERING INFORMATION

Catalog Number: 8004066



Catalog Number: 800015342LW



Catalog Number: 800015452

33" Fixed Crossarm Vertical SLACKLOOP System with Splice Closure Mounting Bracket Kits

Catalog Number	Description
8004066	33" Fixed Crossarm Vertical SLACKLOOP System with COYOTE® 6.5" Dome Closure Mounting Kit
800015342LW	33" Fixed Crossarm Vertical SLACKLOOP System with COYOTE® 9.5" x 19" Dome Closure Mounting Kit
800015452	33" Fixed Crossarm Vertical SLACKLOOP System with COYOTE® 9.5" x 28" Dome Closure Mounting Kit

NOTE: 5/8" through bolts, 5/8" double-arming bolts, banding, and splice closures are not supplied with the kits. 5/8" through bolts and double-arming bolts are typically used to mount crossarms to wood poles.

60" Fixed Crossarm Vertical SLACKLOOP System with Splice Closure Mounting Bracket Kits

Catalog Number	Description
80812352	Mounting Kit for COYOTE® PUP, 6" x 17", and 6" x 22" Closures
8003472	Mounting Kit for COYOTE® 6.5" x 22", 6.5" x 28", and 8.5" x 28", & 9.5" x 28" Splice Cases

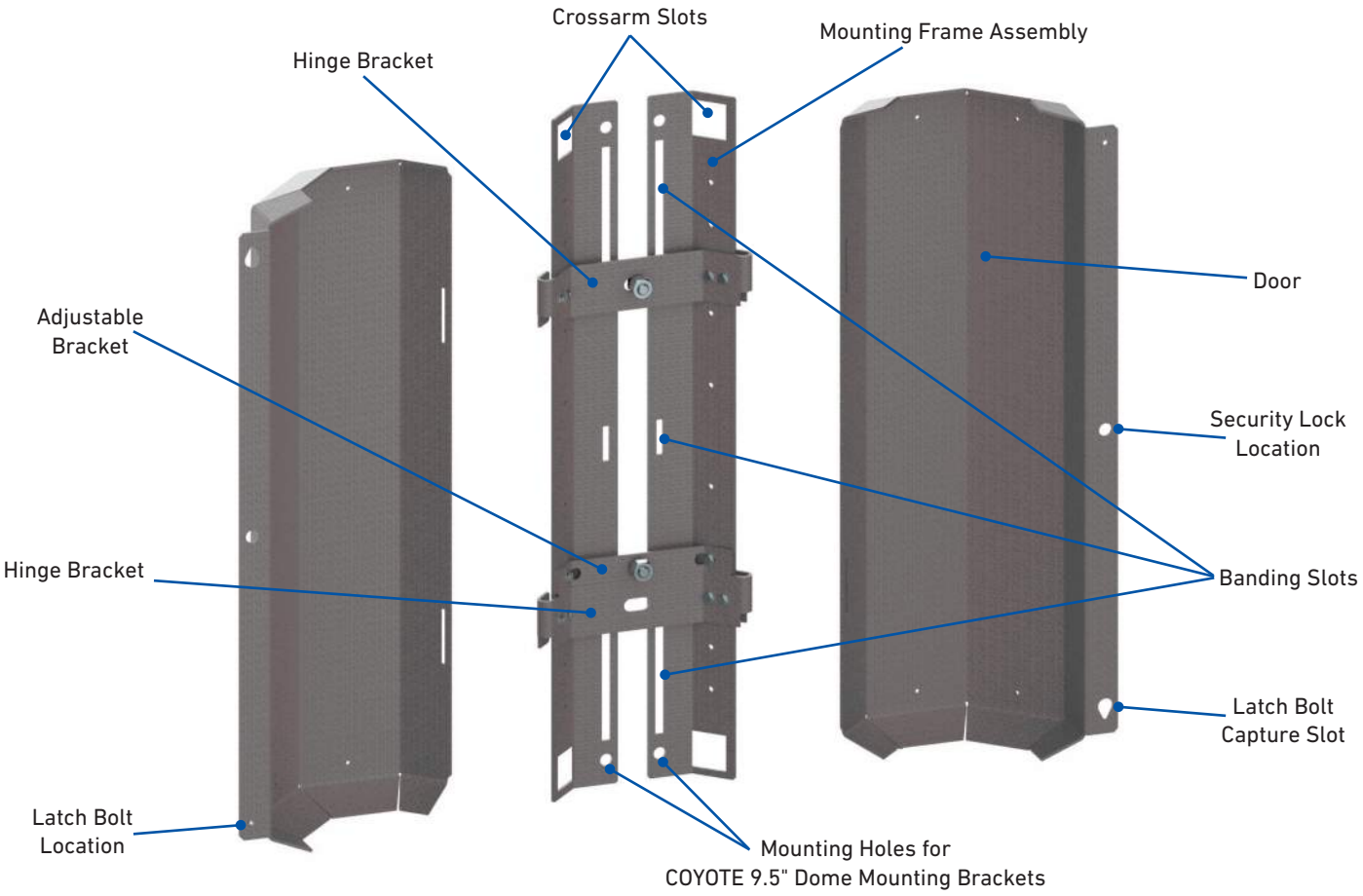
COYOTE® DEFENDER

The **COYOTE Defender** provides added protection for PLP splice enclosures that are mounted vertically on a structure. It consists of a mounting frame and two large doors that surround the splice enclosure. The factory-assembled mounting frame has two vertical brackets, two hinge brackets, and an adjustable bracket for mounting splice enclosures within the Defender.

FEATURES AND BENEFITS

- Provides ballistic protection for various PLP splice enclosures, including COYOTE Closures (COYOTE RUNT, PUP, 6" x 22", and 8.5" x 22"), COYOTE Dome Closures (6.5" x 17", 6.5" x 22", 9.5" x 19", & 9.5" x 28"), and COYOTE Stainless Steel Splice Cases (6.5" x 22", 6.5" x 28", 8" x 28", & 9.5" x 28")
- Adjustable horizontal bracket accommodates splice enclosures that do not align with the default position
- Two large removable doors allow easy access for future maintenance or expansion
- Steel components are galvanized or zinc plated to prevent corrosion
- Can be bolted or banded to a pole/structure with 5/8" through bolts, 5/8" double-arming bolts, or 1-1/2" steel banding
- Slots in the top and the bottom of the frame allow crossarms of the Adjustable Spool Vertical SLACKLOOP System to be installed to provide slack cable storage

COMPONENTS

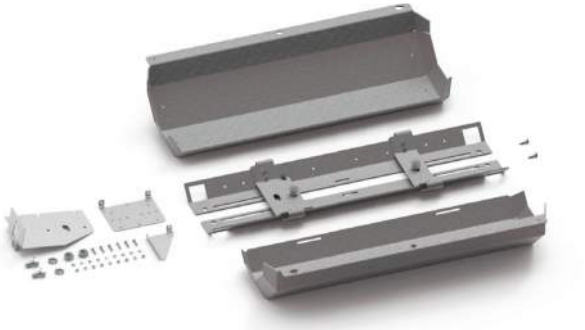


Component	Description
Mounting Frame Assembly	Two vertical brackets attached together with two hinge brackets (spaced 19" apart) to mount 28" COYOTE splice cases.
Doors	Installed onto the hinge brackets of the mounting frame and secured together with two latch bolts. A hole in the center of each door flange accommodates a lock for added security.
Banding Slots	Slots along the vertical brackets allow for 1-1/2" wide steel banding
Crossarm Slots	Slots located at the top and bottom of the vertical brackets allow Adjustable Spool Vertical SLACKLOOP System crossarms to be installed to provide slack cable storage.

NOTE: An adjustable horizontal bracket is necessary to accommodate various size splice enclosures that do not align with the default position.

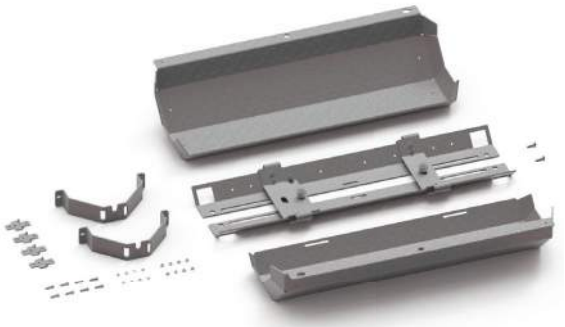
ORDERING INFORMATION

COYOTE Defender with
COYOTE RUNT Mounting Bracket Kit
Catalog Number: 800011916



COYOTE Defender with
COYOTE 9.5" Dome Closure Mounting Bracket Kit
Catalog Number: 800014420

COYOTE Defender with
COYOTE 6.5" Dome Closure Mounting Bracket Kit
Catalog Number: 800012162



COYOTE Defender with Mounting Bracket Kit for the
COYOTE 6.5" x 22", 6.5" x 28", 8" x 28", and 9.5" x 28" Splice Cases
Catalog Number: 8003491

COYOTE Defender with Splice Enclosure Mounting Bracket Kits

Catalog Number	Description
800011916	COYOTE® Defender with COYOTE® RUNT Mounting Bracket Kit
800012162	COYOTE® Defender with COYOTE® 6.5" Dome Closure Mounting Bracket Kit
800014420	COYOTE® Defender with COYOTE® 9.5" Dome Closure Mounting Bracket Kit
8003491	COYOTE® Defender with Mounting Bracket Kit for the COYOTE® 6.5" x 22", 6.5" x 28", 8" x 28", and 9.5" x 28" Splice Cases

NOTE: 5/8" through bolts, 5/8" double-arming bolts, and banding are not supplied with the kits. 5/8" through bolts and double-arming bolts are typically used to mount the COYOTE Defender to wood poles.

ORDERING INFORMATION

Catalog Number: 8003569

COYOTE Defender with Dual Crossarm Adjustable Spool Vertical SLACKLOOP System Configurations

COYOTE RUNT Applications		COYOTE 6.5" x 17" & 6.5" x 22" Dome Closure Applications		COYOTE 9.5" x 19" & 9.5" x 28" Dome Closure Applications[1]		COYOTE 6.5" x 22", 6.5" x 28", 8" x 28", & 9.5" x 28" Splice Case Applications	
Qty	Catalog Number	Qty	Catalog Number	Qty	Catalog Number	Qty	Catalog Number
1	800011916	1	800012162	1	800014420	1	8003491
1	8003569	1	8003569	1	8003569[1]	1	8003569

[1] For COYOTE 9.5" Dome applications, the bottom crossarm cannot be inserted through the bottom slots of the Defender and will need to be mounted directly to the structure/pole underneath the Defender.

NOTE: 5/8" through bolts, 5/8" double-arming bolts, and banding are not supplied with the kits. 5/8" through bolts and double-arming bolts are typically used to mount crossarms and spools to wood poles.

COYOTE 6.5" x 17" Dome Closure Mounted in COYOTE Defender with Dual Crossarm Adjustable Spool Vertical SLACKLOOP System

COYOTE 9.5" x 28" Dome Closure Mounted in COYOTE Defender with Dual Crossarm Adjustable Spool Vertical SLACKLOOP System

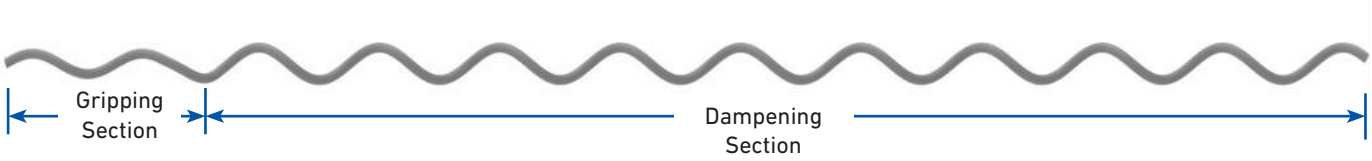
FIBERLIGN® DIELECTRIC DAMPER

The **FIBERLIGN Dielectric Damper** is a motion control product used to dissipate aeolian vibration that may occur on ADSS cable spans. Using the recommended number of dielectric dampers minimizes aeolian vibration and increases cable longevity.

FEATURES AND BENEFITS

- Helically-formed plastic rod provides an action/reaction motion that disrupts the natural vibration wave of the cable to dissipate aeolian vibration.
- Gripping section of the damper gently holds the ADSS cable, preventing jacket and internal fiber damage or distortion, which can cause optical signal loss.
- Easily installed by hand on standard cable in communications and low-voltage environments
- Can be subsetted for optimal damping performance

COMPONENTS



Feature	Description
Gripping Section	Gently grips the ADSS cable
Dampening Section	Provides an action/reaction motion with the ADSS cable to decrease aeolian vibration

ORDERING INFORMATION

Select the appropriate **FIBERLIGN Dielectric Damper** from the table below based on the diameter of the cable. Basic recommendations of dampers per span are listed for moderate conditions and relatively open terrain. Consult PLP for specific recommendations that may involve high tension levels and/or critical crossings.

FIBERLIGN Dielectric Damper

Catalog Number	Cable Diameter Range		Length	Per Carton	
	in	mm	in (m)	Units	Wt./lb
50502393	0.250 – 0.326	6.4 – 8.2	49 (1.24)	50	26
50502272	0.327 – 0.461	8.3 – 11.6	51(1.30)	50	28
50502274	0.462 – 0.563	11.7 – 14.2	53 (1.35)	50	30
50509862	0.564 – 0.770	14.3 – 19.5	65 (1.65)	50	46
50503057	0.771 – 0.876	19.6 – 22.2	71 (1.80)	25	30
50503576	0.877 – 1.000	22.3 – 25.3	75 (1.91)	25	35
50503909	1.001 – 1.250	25.4 – 31.8	90 (2.29)	25	40

FIBERLIGN Dielectric Damper Installed on ADSS Cable

Basic Recommendations

Standard Span Length	Dampers per Cable Span
0 – 800 ft	2
801 – 1,600 ft	4
1,601 – 2,400 ft	6

NOTE: For water/canyon crossings, increase the basic recommendation for the number of dampers per span listed above by 50% for adequate protection against increased laminar wind flow speeds in these areas. In areas prone to high levels of vibration or in areas where the cable tension is in excess of 20% RBS, consult PLP for specific recommendations.

HIGH-VOLTAGE ENVIRONMENTS

In high-voltage environments (areas where electrical lines are 115 kV and higher or areas where an electrical field analysis places the space potential of the ADSS cable above 12 kV), dampers should be moved 4 to 5 feet further into the span beyond the ADSS hardware due to increased potential for electrical stress. Consult PLP for further guidance.

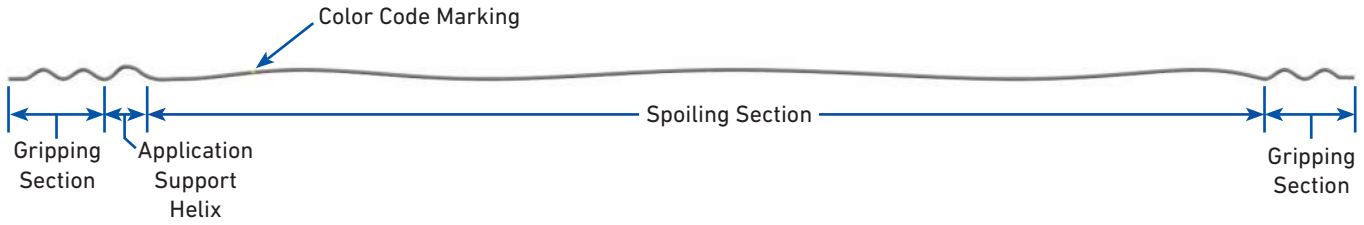
FIBERLIGN® AIR FLOW SPOILER

The **FIBERLIGN® Air Flow Spoiler** is a motion control product used to suppress galloping of ADSS cable spans. Galloping can rapidly cause severe damage to the cable system. Using the recommended number of Air Flow Spoilers can suppress galloping and increase cable longevity.

FEATURES AND BENEFITS

- Central spoiling section suppresses galloping by providing a constantly changing aerodynamic profile
- Helical gripping sections on both ends hold the cable securley without excess clamping forces
- Number and placement of Air Flow Spoilers in each cable span are determined by an internally-developed program based on the results of ongoing field and laboratory research

COMPONENTS



Feature	Description
Gripping Section	Gently grips the ADSS cable
Application Support Helix	Prevents the spoiler from falling off the cable as the gripping section is applied
Spoiling Section	Provides a change in the aerodynamic profile of the ADSS cable to mitigate galloping
Color Code Marking	Identifies the product's cable diameter range

ORDERING INFORMATION

PLP uses an internally developed program that utilizes the results of ongoing field and laboratory research to determine the required number and placement of **FIBERLIGN® Air Flow Spoilers** in each cable span.

FIBERLIGN Air Flow Spoiler

Catalog Number	Cable Diameter Range		Length		Wt./Unit	Color Code
	in	mm	ft	m	lb	
5058100	0.250 – 0.326	6.4 – 8.2	13.50	4.11	1.00	Red
5058101	0.327 – 0.461	8.3 – 11.6	13.50	4.11	1.00	White
5058102	0.462 – 0.563	11.7 – 14.2	14.00	4.27	2.25	Orange
5058103	0.564 – 0.760	14.3 – 19.2	14.50	4.42	2.40	Yellow
5058104	0.761 – 0.926	19.3 – 23.4	15.00	4.57	4.25	Blue
5058105	0.927 – 1.019	23.5 – 25.8	15.25	4.65	4.50	Black
5058106	1.020 – 1.165	25.9 – 29.6	15.75	4.80	5.50	Purple

Number of Air Flow Spoilers per Cable Span

Span Length		Spoilers per Span
ft	m	
0 – 120	0 – 36.6	2
120 – 180	36.6 – 54.9	3
181 – 240	55.2 – 73.2	4
241 – 300	73.5 – 91.4	5
301 – 350	91.7 – 106.7	6
351 – 400	106.9 – 121.9	7
401 – 450	122.2 – 137.2	8
451 – 500	137.5 – 152.4	9
501 – 550	152.7 – 167.6	10

Span Length		Spoilers per Span
ft	m	
551 – 600	167.9 – 182.9	11
601 – 650	182.9 – 198.1	12
651 – 700	198.4 – 213.4	13
701 – 750	213.7 – 228.6	14
751 – 800	228.9 – 243.8	15
801 – 850	244.1 – 259.1	16
851 – 900	259.4 – 274.3	17
901 – 950	274.6 – 289.6	18
951 – 1000	289.9 – 304.8	19

NOTE: Consult PLP for placement details.

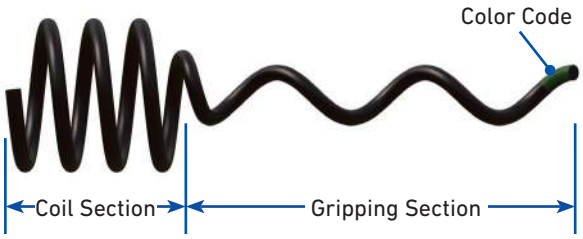
ADSS-CORONA™ COIL

The **ADSS-CORONA Coil** is intended to reduce electrical stress at the ends of the metal rods of FIBERLIGN® Dielectric Dead-Ends and Suspensions installed in high-voltage environments (areas where electrical lines are 115 kV and higher or areas where an electrical field analysis places the space potential of the ADSS cable above 12 kV).

FEATURES AND BENEFITS

- Designed to suppress electrical arcing at the ends of metal rods
- Made from a lightweight material
- Designed to be used only with PLP's FIBERLIGN Dielectric Dead-Ends or Suspensions
- Quickly installed by hand or with a conventional hot stick
- Dead-end locations require one unit; suspension installations require two units

COMPONENTS



Feature	Description
Gripping Section	Gently grips the ADSS cable
Coil Section	Centered over the ends of the structural reinforcing rods of the dead-end or suspension; suppresses electrical arcing
Color Code	Identifies the size of the ADSS-CORONA Coil

HARDWARE APPLICATIONS

FIBERLIGN® Dielectric Dead-End Applications (Medium and High Tension Only)

FIBERLIGN Dielectric Suspension Applications

FIBERLIGN Aluminum Suspension Applications

ORDERING INFORMATION

To order the proper **ADSS-CORONA Coil**, contact PLP for application recommendations and specific catalog numbers.

FIBERLIGN® ADSS CABLE ABRASION PROTECTOR & FIBER OPTIC CABLE MARKER

Both the **FIBERLIGN ADSS Cable Abrasion Protector** and the **FIBERLIGN Fiber Optic Cable Marker** are slit polyethylene tubes that are placed over the ADSS cable, but they serve two different functions. The ADSS Cable Abrasion Protector protects the cable jacket from abrasion caused by structures, trees, and other cables. The Fiber Optic Cable Marker is designed to visibly identify fiber optic cable at a utility pole or a structure.

FEATURES AND BENEFITS

Cable Abrasion Protector

- Made from a black, low-density polyethylene material
- Provides a low-cost solution with superior abrasion resistance for ADSS cables
- Available in two lengths that cover three different cable diameter ranges
- Can be cut to size in the field
- Reuseable if in good condition

Fiber Optic Cable Marker

- Lightweight, corrosion-resistant polyethylene material
- Orange color is easily identifiable from ground level
- Imprinted with the words: "CAUTION FIBER OPTIC CABLE"

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® ADSS Cable Abrasion Protector** from the table below based on the cable's length and diameter.

FIBERLIGN ADSS Cable Abrasion Protector

Catalog Number	Protector Length		Cable Diameter Range		Protector Inner Diameter	
	in	cm	in	mm	in	mm
PTG-0200	8	20	0.238 – 0.500	6.0 – 12.7	0.500	12.7
PTG-0201	72	183				
PTG-0202	8	20	0.501 – 1.000	12.8 – 25.4	1.000	25.4
PTG-0203	72	183				
PTG-0204	8	20	1.001 – 1.500	25.5 – 38.1	1.500	38.1
PTG-0205	72	183				

8" FIBERLIGN ADSS Cable Abrasion Protector

Select the **FIBERLIGN Fiber Optic Cable Marker** for the cable diameter range listed in the table below.

FIBERLIGN Fiber Optic Cable Marker

Catalog Number	Marker Length		Cable Diameter Range		Marker Color
	in	cm	in	mm	
500510903	8	20	0.700 – 1.100	17.8 – 27.9	Orange

NOTE: The FIBERLIGN Fiber Optic Cable Marker is imprinted with the words: CAUTION FIBER OPTIC CABLE. The words are printed in black lettering that is 1/4" high and located opposite the installation slit.

FIBERLIGN Fiber Optic Cable Marker

FIBERLIGN® DOWNLEAD CUSHION

The **FIBERLIGN Downlead Cushion** secures ADSS cable downleads to poles or structures while minimizing compressive clamping forces which could be transferred to the optical elements. The Downlead Cushion is a two-piece design with a base and cap that has grooves to accommodate specified round cables or ADSS flat drop cables. Various mounting accessories can be included to install the Downlead Cushion on different types of utility poles and structures, including lattice towers.

FEATURES AND BENEFITS

- Firmly secures ADSS cables to poles and structures without comprimising the intergrity of the cable
- Standard cushion is molded with two grooves to support each cable downlead
- Flat drop cushion is molded with six grooves to support ADSS flat drop cables
- Made from a durable, pliable, weather-resistant urethane material
- Kits can include mounting accessories to secure the downlead cushion to poles (wood, concrete, or metal) or lattice towers

ORDERING INFORMATION

Select the appropriate **FIBERLIGN® Downlead Cushion** based on the cable diameter and structure type.

Round-Profile Cables

Catalog Number						Cable Diameter Range	
Cushion Only	Cushion with Wood Pole Mounting Hardware Kit	Cushion with 1/2"-13 UNC Hex Head Bolt Hardware Kit[1]	Cushion with Banding Bracket Kit[2]	Cushion with Lattice Tower Clamp Kit[3]	Cushion with Light-Duty Lattice Tower Clamp Kit[3]	in	mm
8003806	8003806H1	8003806H3	8003806B1	8003806LTC1	8003806LTC2	0.280 – 0.374	7.1 – 9.4
8003041	8003041H1	8003041H3	8003041B1	8003041LTC1	8003041LTC2	0.375 – 0.468	9.5 – 11.8
8003042	8003042H1	8003042H3	8003042B1	8003042LTC1	8003042LTC2	0.469 – 0.562	11.9 – 14.2
8003043	8003043H1	8003043H3	8003043B1	8003043LTC1	8003043LTC2	0.563 – 0.656	14.3 – 16.6
8003044	8003044H1	8003044H3	8003044B1	8003044LTC1	8003044LTC2	0.657 – 0.750	16.7 – 19.0
8003052	8003052H1	8003052H3	8003052B1	8003052LTC1	8003052LTC2	0.751 – 0.849	19.1 – 21.5
8003256	8003256H1	8003256H3	8003256B1	8003256LTC1	8003256LTC2	0.850 – 0.950	21.6 – 24.1
8003257	8003257H1	8003257H3	8003257B1	8003257LTC1	8003257LTC2	0.951 – 1.050	24.2 – 26.6
8003379	8003379H1	8003379H3	8003379B1	8003379LTC1	8003379LTC2	1.051 – 1.190	26.7 – 30.2

[1]For mounting on metal or concrete poles with a 1/2"-13 UNC female interface
[2]Banding is not included
[3]For mounting on lattice towers with tower members up to 1-1/8" thick

FIBERLIGN Downlead Cushion for Round Cable Mounted to Wood Pole (Suffix Code: H1)

FIBERLIGN Downlead Cushion for Round Cable Mounted to Steel Pole (Suffix Code: B1)

FIBERLIGN Downlead Cushion for Round Cable Mounted to Lattice Tower (Suffix Code: LTC1)

Flat Drop Cables

Catalog Number				Flat Drop Cable Dimension	
Downlead Cushion Only	Banding Hardware Only	Downlead Cushion with Banding Hardware Kit[1]	Downlead Cushion with Wood Pole Hardware Kit	L x W [2]	
				in	mm
8004191	710016821	8004191H	8004191H1	≈ 0.3 x 0.2	≈ 7.6 x 5.1

[1] Downlead cushions for flat drop cables have a molded-in slot for 3/4" banding. Banding is not included with the banding hardware kit.
[2] Length x Width of the flat drop cable cross section

FIBERLIGN Downlead Cushion for Flat Drop Cable Mounted to Wood Pole (Suffix Code: H1)

FIBERLIGN Downlead Cushion for Flat Drop Cable Mounted to Steel Pole (Suffix Code: H)

MOUNTING ACCESSORIES

WOOD POLE

Catalog Number: 710010017
Wood Pole Mounting Hardware Kit
(Suffix: H1)

METAL/CONCRETE POLE

Catalog Number: 710011655
1/2"-13 UNC Hex Head Bolt Hardware Kit[1]
(Suffix Code: H3)

Catalog Number: 710010576
Banding Bracket Kit[1, 2]
(Suffix Code: B1)

Catalog Number: 710016821
Banding Hardware Kit[3, 4]
(Suffix Code: H)

LATTICE TOWER

Catalog Number: 7000400
Lattice Tower Clamp Kit with 6" Long Bolt
(Suffix Code: LTC1)

Catalog Number: 7000402
Lattice Tower Clamp Kit with
8" Long Bolt

Catalog Number: 7000401
Lattice Tower Clamp Kit with
10" Long Bolt

Catalog Number: 700011045
Light-Duty Lattice Tower Clamp Kit
(Suffix Code: LTC2)

[1] For round-profile cable only – not compatible with flat drop cable.
[2] The banding bracket kit accepts up to 1-1/4" wide banding. Banding is not included with the kit.
[3] For flat drop cable only – not compatible with round-profile cable.
[4] Downlead cushions for flat drop cables have a molded-in slot for 3/4" banding. Banding is not included with the banding hardware kit.

NOTES:

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NOTES:

SALES CONTACTS

COMMUNICATIONS SALES

ELECTRIC UTILITY SALES

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