



## 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

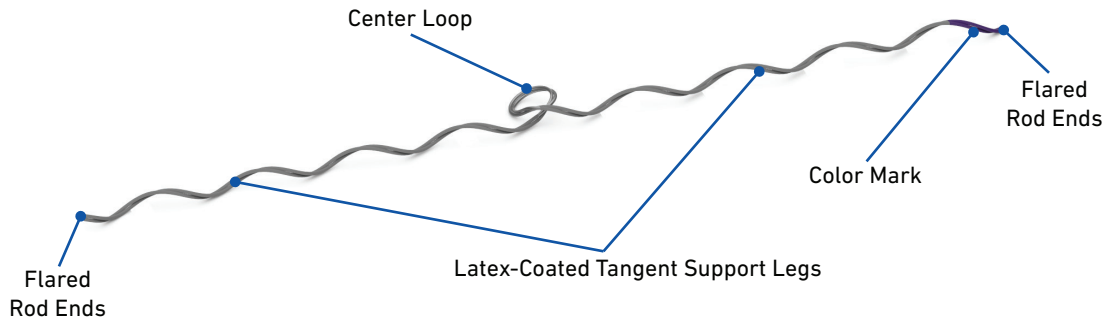
Cable System Requirements					
Maximum Span Length <sup>1</sup>		Maximum Unbalanced Load <sup>2</sup>		Maximum Line Angle <sup>3</sup>	
ft	m	lb	kN	lb	kN
300	91	100 – 200	0.4 – 0.9	800	3.5

<sup>1</sup> NESC Heavy

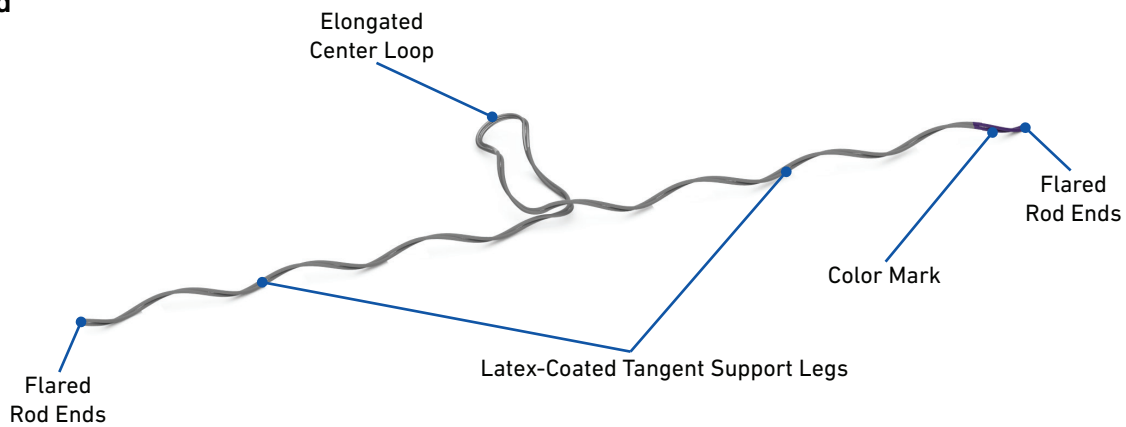
<sup>2</sup> Load is provided as a range because it is dependent upon cable diameter

<sup>3</sup> 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

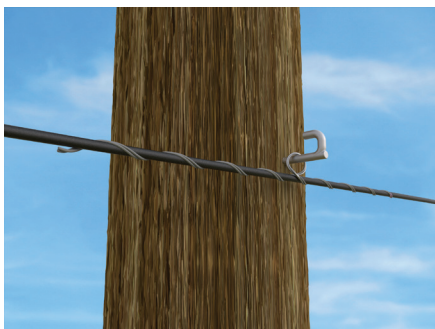
#### Round-Profile Drop Cables

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			Color Code	Length	
	L x W <sup>1</sup>		Manufacturer		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

<sup>1</sup> 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 <sup>1</sup>		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

<sup>1</sup> Length x Width of the Flat Drop Cable cross-section



Elongated Tangent Support with Round-Profile Cable



Elongated Tangent Support with Flat Drop Cable