



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 an 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

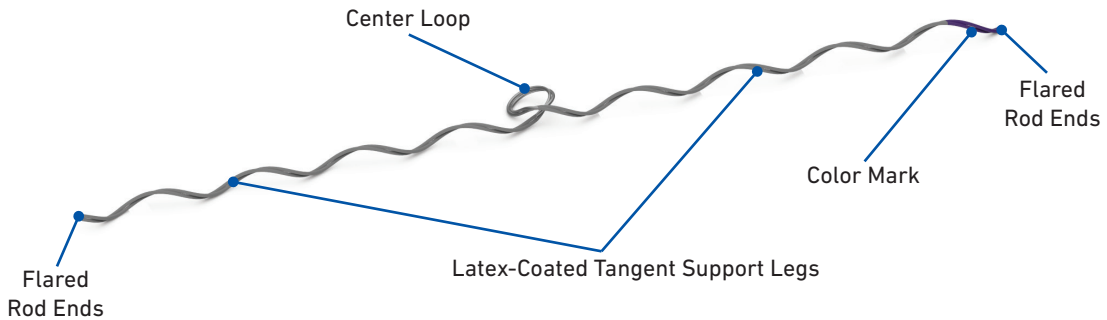
Cable System Requirements					
Maximum Span Length ¹		Maximum Unbalanced Load ²		Maximum Line Angle ³	
ft	m	lb	kN	lb	kN
300	91	100 – 200	0.4 – 0.9	800	3.5

¹ NESC Heavy

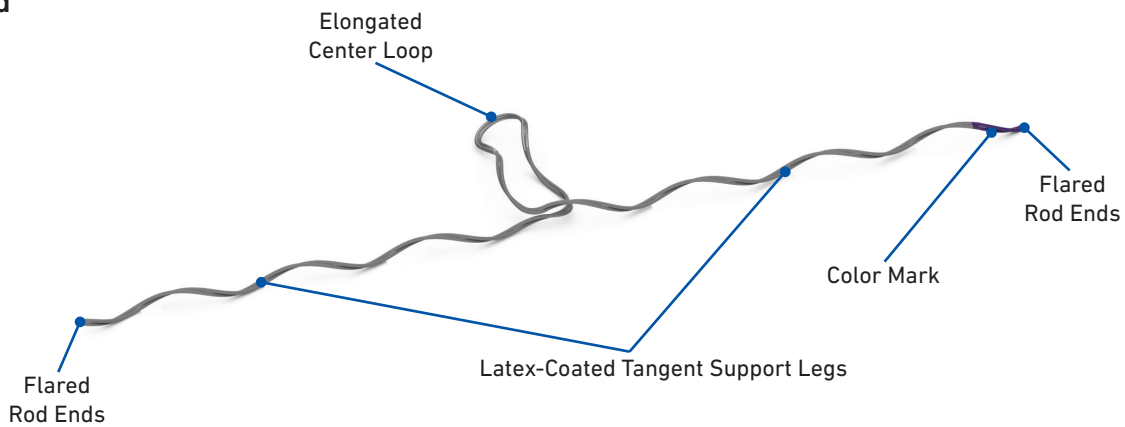
² Load is provided as a range because it is dependent upon cable diameter

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

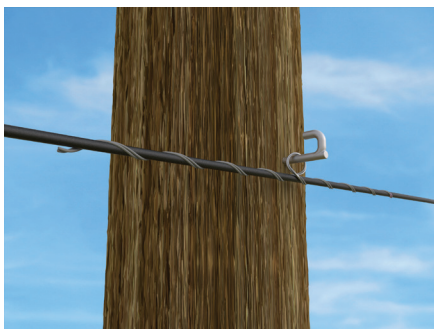
Round-Profile Drop Cables

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