ADSS COMMUNICATION HARDWARE

communications

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OPTI-LOOP™ DIRECT ATTACH FOS

The Opti-Loop™ ADSS Direct Attach unit uses the patented bowtie double deadend process for storing ADSS fiber. This system provides maximum protection for fiber cable, and contains no conductive properties.

DESIGN FEATURES AND BENEFITS

- Utilizes self-aligning "Direct Attach" mounting brackets.
- Requires only one tool for installation.
- No "fishing" tie wraps through holes or slots.
- Contains UV inhibitor.

Ordering Information

PART NUMBER	SIZE (IN)	LENGTH (IN)	OUTSIDE DIAMETER (IN)
FOSDA17ADSS	17	26	17.5
FOSDA12ADSS	12	18	13.1

OPTI-LOOP™ FIBER CABLE STORAGE WHEEL

The Hubbell® Opti-Loop™ Fiber Cable Storage Wheel provides another convenient option for storing fiber optic cable. This newest member of the Opti-Loop™ family brings versatility, security, and mobility by offering multiple safe mounting options aerially or on a pole or wall. Designed with the highest of standards and expectations that are associated with the Hubbell® and Opti-Loop™ names, the Cable Wheel delivers an economic solution for your fiber cable storage needs.

MATERIAL

- UV Stabilized Thermoplastic

BENEFITS

- Can be mounted aerially, on a pole, or to a wall
- Suitable for all types of fiber optic cable
- Protects cable while preventing pinching by utilizing exclusive tie wrap notches
- Features a bracket "safety groove" for greater stability after installation

SPECIFICATIONS

- Convenient slots for banding
  - Accepts standard 20 x 0.7mm banding
- Can be used on lashed aerial fiber or All Dielectric Self Support (ADSS) fiber
- Rugged, non-conductive material with UV protection

Ordering Information

PART NUMBER	DIAMETER (IN)	DESCRIPTION
FOSPCW14	14	One 14" Opti-Loop™ Cable Wheel
FOSPCW14ADSS	14	One 14" Opti-Loop™ Cable Wheel with one direct attach ADSS mounting bracket, nut, bolt, and grommet
FOSPCW14HEX	14	One 14" Opti-Loop™ Cable Wheel with one hex head lag bolt, washer, and spacer

OPTI-LOOP™ HORSE-SHOE

The Opti-Loop Mini-Shoe was designed to store and organize the small amount of slack from a fiber drop that is to be left at an FDT (Fiber Drop Terminal). It is also to be used for the organization or storage of the minimal amount of unused multi-fiber drop, in the placing of a multiport terminal from FITS splices (Factory Installed Termination System). Additionally, the remaining cable left for future use is safely stored, as opposed to the slack hanging in a vertical coil. This procedure stores the coil in a more unobtrusive, horizontal fashion.

DESIGN FEATURES AND BENEFITS

- NEW inverted style stores fiber according to it's most natural tendency
- NEW patented design also features angled slots to accommodate the use of banding material on steel or concrete poles
- Lightweight and stackable, tough UV resistant plastic compound
- No coiling of the fiber drop
- Keyed bracket slot, to prevent twisting
- Optional, changeable, mounting hardware for aerial, pole or below-grade hand holes
- All dielectric for use anywhere on the pole
- Weather resistant, non-rusting
- Tie wraps included
- Future drops can be added without disturbing the original bundle

Ordering Information

PART NUMBER	SIZE (IN)	LENGTH (IN)	INSIDE DIAMETER (IN)
DCSU8ADSS	8	8.2	7
DCSU8PM	8	8.2	7

ADSS WEDGE DEADENDS

The Hubbell ADSS Wedge Style Deadend is designed for fast, easy, and reliable installation of ADSS (All Dielectric Self-Support) aerial fiber optic cable. The deadends are designed with an open, conical body containing a pair of sliding wedges. The wedges are engineered to mechanically couple to the cable without causing damage to the sheath or fibers, providing a secure grip without fear of signal loss.

MATERIAL

- Body: UV Resistant Thermoplastic
- Bail: Stainless Steel

BENEFITS

- Light and compact
- Easy, quick, and safe deadending
- Installation takes seconds with no special tools
- The flexible bail provides an extra protection to the cable against Aeolian vibrations
- Safe for installation near space potentials up to 11kV

SPECIFICATIONS

- Deadending of 0.236" to 0.787" ADSS cables
- Spans up to 325 ft.
- All plastic parts are UV resistant and tested in conditions equivalent to minimum of 25 years in service
- Accepts standard pole line fittings
- Recommended for double jacket ADSS cables. For single jacket cables, contact the manufacturer for recommendations.

Ordering Information

PART NUMBER	CABLE DIAMETER RANGE				ULTIMATE BODY STRENGTH (LBF)
	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	
WEGADSS100	0.236	0.315	6	8	750
WEGADSS101	0.315	0.394	8	10	750
WEGADSS102	0.394	0.472	10	12	1650
WEGADSS103	0.472	0.551	12	14	1650
WEGADSS104	0.551	0.630	14	16	1650
WEGADSS105	0.630	0.709	16	18	1650
WEGADSS106	0.709	0.748	18	19	1650

SPIRAL VIBRATION DAMPERS

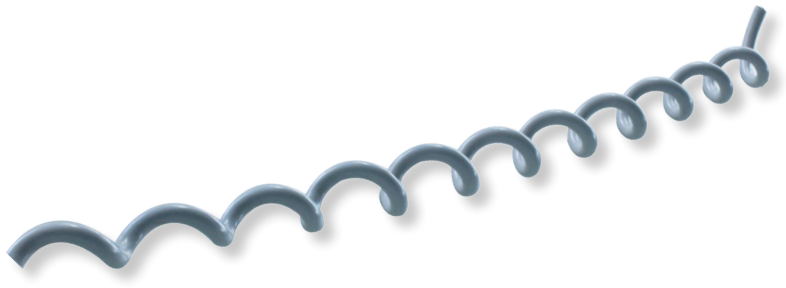
The ADSS spiral vibration damper reduces Aeolian vibration. Aeolian vibration is a high frequency, low amplitude vibration caused by wind passing across the fiber cable. This vibration can cause support hardware to breakdown and fail over time. The spiral vibration dampers are made of PVC and are very easy to install.

MATERIAL

- PVC

BENEFITS

- Reduces Aeolian and galloping vibrations
- Easy installation
- Dielectric material



Ordering Information

PART NUMBER	CABLE DIAMETER RANGE				LENGTH (IN.)
	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	
SVD103	0.252	0.327	6.4	8.3	49
SVD104	0.327	0.461	8.3	11.7	53
SVD105	0.461	0.563	11.7	14.3	53
SVD106	0.563	0.760	14.3	19.3	65

ADSS SUSPENSION CLAMPS

The Hubbell ADSS suspension clamp is a heavy duty, versatile, and reliable solution for securely suspending ADSS (All Dielectric Self-Support) aerial fiber optic cable. The versatility of the clamp allows the installer to either fix the clamp to the pole using a through bolt or band. If a loose tangent is required, the clamp can be suspended using a standard J-hook (Part # PSC2080237). Accepting a range of sizes and multiple installation methods, the Hubbell ADSS suspension clamp is sure to meet your tangent needs.

MATERIAL

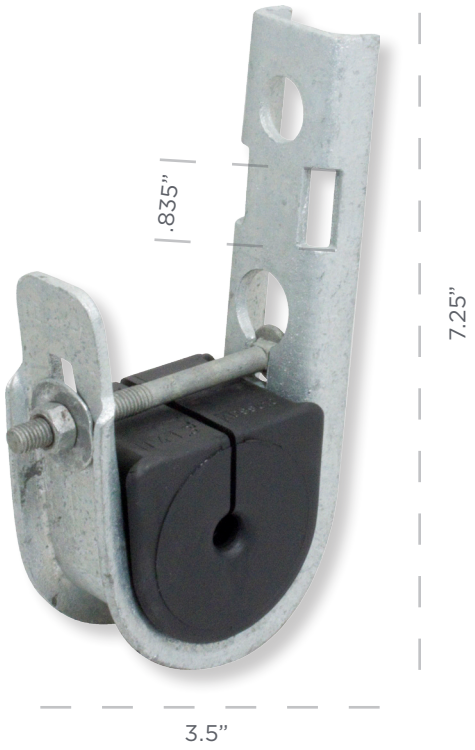
- Body: Galvanized Steel
- Insert: Neoprene Sleeve

BENEFITS

- Two sizes to cover the full range of ADSS cables from 0.394" to 0.787"
- Installation in just a few seconds with standard tools
- Versatility in installation methods

SPECIFICATIONS

- Tangent suspension for spans up to 600 ft.
- Less than 20° angle on cable routes between spans (For angles greater than 20°, double deadend or false deadend)



Ordering Information

PART NUMBER	CABLE DIAMETER RANGE				ULTIMATE BODY STRENGTH (LBS.)
	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	
ASCF102	0.394	0.591	10	15	3000
ASCF114	0.591	0.787	15	20	3000

ADSS HANGING SUSPENSION CLAMPS

The Hubbell ADSS Dielectric Suspension Clamp is a great choice when installing ADSS (All Dielectric Self-Support) aerial fiber optic cable near the energized zone on a utility pole. Installed as a float mount, the clamp is best used on a closed eye nut (Part #'s 6500, 6501, 6502, 6503).

MATERIAL

- Body: UV Resistant Thermoplastic
- Insert: Neoprene Sleeve

BENEFITS

- Lightweight, compact, and cost effective design
- Dielectric body
- Installation in seconds
- Suspension bails provide additional protection against Aeolian vibration

SPECIFICATIONS

- Tangent suspension for spans up to 325 ft.
- Less than 20° angle on cable routes between spans (For angles greater than 20°, double deadend or false deadend)

Ordering Information

PART NUMBER	CABLE DIAMETER RANGE				ULTIMATE BODY STRENGTH (LBF)
	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	
AHSC800	0.315	0.472	8	12	450
AHSC1200	0.472	0.630	12	16	450

LITE TENSION ADSS FORMED WIRE DEADENDS

The ADSS Formed Wire Deadend is designed to securely but safely terminate all ADSS (All Dielectric Self-Support) aerial fiber optic cables with spans up to 300 ft.

MATERIAL

- Galvanized Steel

BENEFITS

- Economical single component design
- Shorter lengths result in shorter installation time

SPECIFICATIONS

- Deadending of 0.394" to 0.748" ADSS cables
- Spans up to 300 ft.
- For standard ADSS jackets

TENSION

- Lite tensions, approximately:
  600# (2.7 kN) maximum intial (stringing/nominal axial/ long-term) tension
  800# (3.5 kN) maximum loaded (working/loaded axial/ short-term) tension

Ordering Information

	CABLE DIAMETER RANGE				OVERALL LENGTH		
PART NUMBER	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	IN.	MM.	COLOR
AFWDEL100	0.394	0.433	10	11	18	450	GREEN
AFWDEL101	0.453	0.492	11.5	12.5	22	550	RED
AFWDEL102	0.512	0.551	13	14.0	23	590	BLUE
AFWDEL103	0.571	0.610	14.5	15.5	25	630	BLACK
AFWDEL104	0.630	0.685	16	17.4	27	680	BROWN
AFWDEL105	0.689	0.748	17.5	19	28	720	ORANGE

* To include accessories in the same carton, add the suffix CEL to the part number. For instance AFWDEL100CEL includes deadend AFWDEL100, TC1 thimble clevis, 6502 eyenut, and L14 extension link.

LIMITED TENSION ADSS FORMED WIRE DEADENDS

The ADSS Formed Wire Deadend with armor rods is designed to securely but safely terminate all ADSS (All Dielectric Self-Support) aerial fiber optic cables with spans up to 500 feet.

MATERIAL

- Galvanized Steel

BENEFITS

- Armored rods included for increased strength
- Suitable for temperatures and conditions defined by cable manufacturers

SPECIFICATIONS

- Deadending of 0.413" to 0.654" ADSS cables
- Spans up to 500 ft.
- For standard ADSS jackets

TENSION

- Low tensions, approximately:
  1000# (4.4 kN) maximum intial (stringing/nominal axial/long-term) tension
  2500# (11.1 kN) maximum loaded (working/loaded axial/short-term) tension

Ordering Information

	CABLE DIAMETER RANGE				OVERALL LENGTH				
					ARMOR RODS		DEADENDS		
PART NUMBER	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	IN.	MM.	IN.	MM.	COLOR
AFWDEL107	0.413	0.445	10.5	11.3	40	1015	32	820	WHITE
AFWDEL108	0.453	0.496	11.5	12.6	40	1015	32	820	YELLOW
AFWDEL110	0.492	0.535	12.5	13.6	40	1015	32	820	BLACK
AFWDEL111	0.531	0.571	13.5	14.5	40	1015	32	820	BLUE
AFWDEL112	0.559	0.598	14.2	15.2	40	1015	32	820	RED
AFWDEL113	0.602	0.654	15.3	16.6	40	1015	32	820	BROWN

* To include accessories in the same carton, add the suffix CEL to the part number. For instance AFWDEL107CEL includes deadend AFWDEL107, TC1 thimble clevis, 6502 eyenut, and L14 extension link.

MEDIUM TENSION ADSS FORMED WIRE DEADENDS

The Hubbell ADSS Formed Wire Deadend with armor rods is designed to securely but safely deadend all ADSS (All Dielectric Self Support) aerial fiber optic cables with spans up to 1100 ft.

MATERIAL

- Galvanized Steel

BENEFITS

- Armor rods included for increased strength
- Suitable for temperatures and conditions defined by cable manufacturers

SPECIFICATIONS

- Deadending of 0.638" to 0.850" ADSS cables
- Spans up to 1100 ft.
- For standard ADSS jackets

TENSION

- Limited to Moderate tensions, approximately:
  1000# - 2000# (4.4 kN - 8.9 kN) maximum intial tension
  2500# - 4000# (11.1 kN - 17.8 kN) maximum loaded tension

Ordering Information

	CABLE CAPACITY		OVERALL LENGTH				
			ARMOR RODS		DEADENDS		
PART NUMBER	IN.	MM.*	IN.	MM.	IN.	MM.	COLOR
AFWDEL114	0.638	16.2	91	2300	56	1420	GREEN
AFWDEL115	0.661	16.8	60	1525	43	1100	WHITE
AFWDEL116	0.713	18.1	91	2300	56	1420	BLUE
AFWDEL117	0.724	18.4	60	1525	43	1100	YELLOW
AFWDEL120	0.850	21.6	60	1525	43	1100	BLACK

* +/- 0.5 mm

* To include accessories in the same carton, add the suffix CEL to the part number. For instance AFWDEL114CEL includes deadend AFWDEL114, TC1 thimble clevis, 6502 eyenut, and L14 extension link.

LITE TENSION ADSS FORMED WIRE HELICAL SUSPENSION

The ADSS Formed Wire Suspension is designed for use on all ADSS (All Dielectric Self-Support) aerial fiber optic cables with spans up to 295 ft. The ADSS formed wire suspension requires using a J-hook (Part # PSC2080237) through bolt for best installation.

MATERIAL

- Galvanized Steel

SPECIFICATIONS

- Suspending of 0.394" to 0.768" ADSS cables
- Spans up to 295 ft.
- For standard ADSS jackets
- Accepts standard J-hook
- Round 50mm (1.97") thimble included

Ordering Information

	CABLE DIAMETER RANGE				OVERALL LENGTH				
					ARMOR RODS		SUSPENSION		
PART NUMBER	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	IN.	MM.	IN.	MM.	COLOR
AFWSUS100	0.394	0.453	10	11.5	17	440	34	870	GREEN
AFWSUS101	0.453	0.496	11.5	12.6	19	480	37	950	RED
AFWSUS102	0.512	0.551	13	14	19	480	37	950	BLUE
AFWSUS103	0.571	0.630	14.5	16.0	21	510	40	1010	BLACK
AFWSUS104	0.630	0.689	16	17.5	21	530	41	1050	BROWN
AFWSUS105	0.689	0.768	17.5	19.5	21	530	41	1050	ORANGE

LIMITED TENSION ADSS FORMED WIRE HELICAL SUSPENSION

The ADSS Formed Wire Suspension is designed for use on all ADSS (All Dielectric Self-Support) aerial fiber optic cables with spans up to 500 feet. The formed wire suspension utilizes armor rods for larger span lengths and tensions. The ADSS formed wire suspension requires using a J-hook (Part # PSC2080237) through bolt for best installation.

MATERIAL

- Galvanized Steel

BENEFITS

- Armor rods included for increased strength
- Suitable for temperatures and conditions defined by cable manufacturers

SPECIFICATIONS

- Suspending of 0.413" to 0.654" ADSS cables
- Spans less than 500 ft.
- For standard ADSS jackets
- Accepts standard J-hook

Ordering Information

	CABLE DIAMETER RANGE				OVERALL LENGTH				
					ARMOR RODS		SUSPENSION		
PART NUMBER	MIN (IN)	MAX (IN)	MIN (MM.)	MAX (MM.)	IN.	MM.	IN.	MM.	COLOR
AFWSUS106	0.413	0.445	10.5	11.3	47	1200	35	880	WHITE
AFWSUS107	0.453	0.496	11.5	12.6	47	1200	35	880	YELLOW
AFWSUS108	0.492	0.535	12.5	13.6	47	1200	35	880	BLACK
AFWSUS109	0.531	0.571	13.5	14.5	47	1200	35	880	BLUE
AFWSUS110	0.559	0.598	14.2	15.2	47	1200	35	880	RED
AFWSUS111	0.602	0.654	15.3	16.6	47	1200	35	880	BROWN

NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.
Please visit hubbellpowersystems.com to confirm current design specifications

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