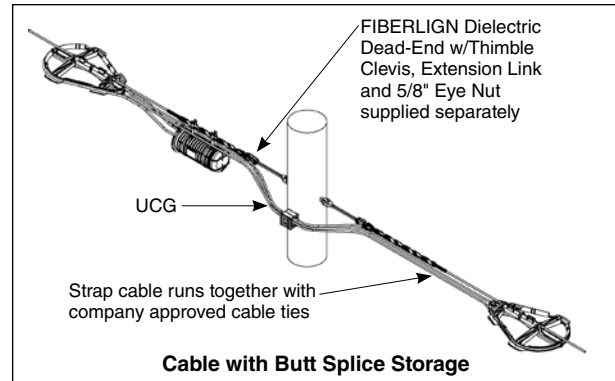
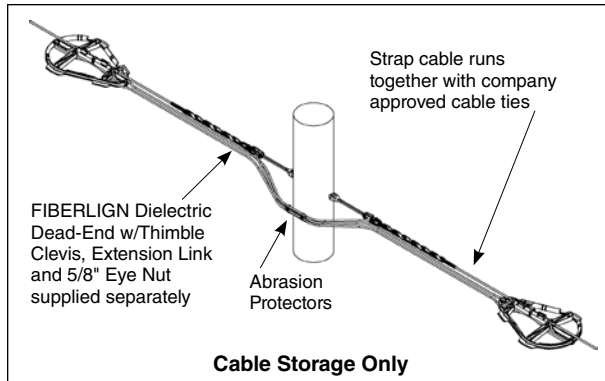




FIBERLIGN® CLAS (Center-Lock Aerial Slack) Storage



GENERAL INFORMATION

Storing slack fiber optic cable is necessary to reach the clean environment of a splicing van, allow expansion for future community development, and compensate for street widening or pole damage. The FIBERLIGN® CLAS Storage provides a flexible method of handling all system challenges at minimal cost — and an alternative solution for limited pole space or labor intensive underground vault storage.

FIBERLIGN® CLAS Storage is designed to store fiber optic cable in span while maintaining minimum bend radius requirements for cables up to 1" diameter. Kits are packaged for "cable only" or cable with butt splice closure storage in span. A cable storage system includes 2 CLAS Storage brackets with bracket straps and cable guide or protection (for cable passing the pole). Appropriate splice case brackets are added for cable & butt splice closure storage. Optional heavy duty cable straps may be added to any kit selection.

Center-Lock Design Reduces Labor & Parts

Each FIBERLIGN® CLAS Storage bracket has a male and female half joined at the center-lock hinge. The hinge allows the bracket halves to swing open, rest onto the main cable, and close into storage position (butterfly motion) — thus eliminating excess attachment components and metal fasteners. Heavy-duty bracket straps simplify attachment to the main cable, and simultaneously lock the bracket while securing slack cable. Consequently, preparation time to build the center connection is eliminated, installation time is reduced, and no tools are required.

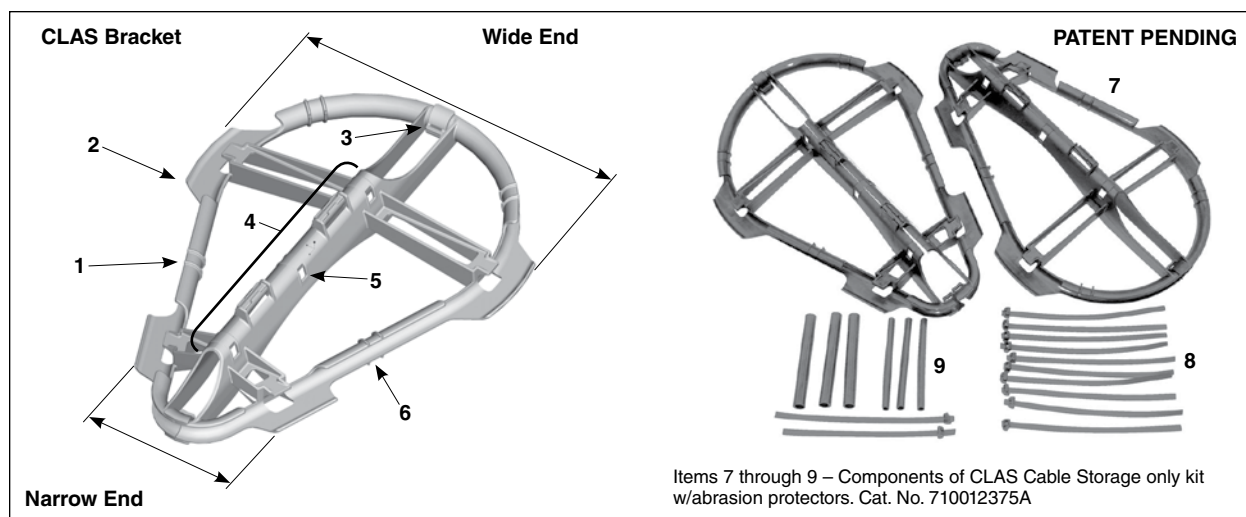


Center-Lock Hinge Swings Open

FEATURES

- Center-Lock Hinge allows CLAS Bracket to swing open and rest on top of main cable for convenient positioning and simple attachment.
- Extended hinge area distributes load along cable interface.
- Neatly organizes storage of cable and splice closures in the span instead of on the structure
- Minimizes infringement of poles space
- Maximum cable loop diameter support 20" (508 mm) with expansion tabs
- No limit to the amount of cable that can be stored.
- PLP Abrasion Protectors are offered as economical cable protection for cable passing the pole.
- Uni-Group Cable Guide (UCG) option can be used for low profile cable guide for cable passing the pole. Fasteners included
- Folds and separates at the Center-Lock Hinge for efficient storage.
- Safe all dielectric materials with superior system life.
- Optional Heavy Duty Cable Straps can be ordered with kits or separately

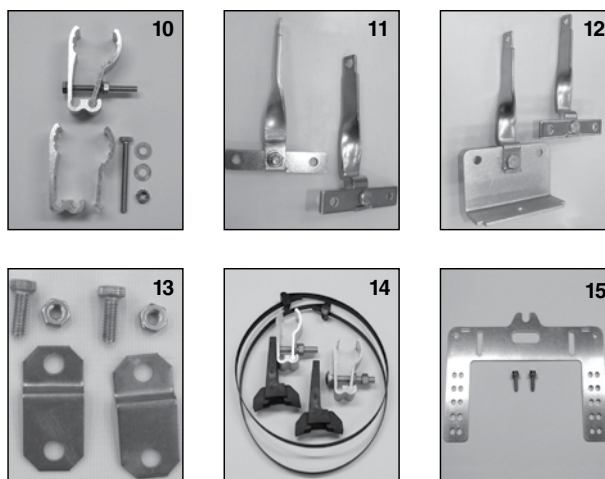
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NOMENCLATURE

1. Cable strap locator
2. Expansion Tab for wider (20") storage options
3. Locking Slot – one at narrow end and wide end allows cable strap through
4. Center-Lock Hinge Area
5. Aperture – 3 openings to lace straps and secure to main cable
6. Slack/Surplus cable channel
7. 18" (457mm) CLAS Bracket male & female half
8. Heavy Duty (HD) 13" (330mm) long cable straps
9. 8" (203mm) Abrasion Protectors with 2 HD cable straps
10. ADSS Cable Clamp*
11. COYOTE® Closure Brackets for COYOTE® PUP, 6"X22", and 8.5"X22" Closures.
12. COYOTE® RUNT Brackets
13. COYOTE® Splice Case Brackets (or aerial hanger brackets) included with every Stainless Steel COYOTE Splice Case
14. Universal DOME Brackets for Domes up to 8" (203mm) OD Dome Closures includes two worm gear clamps
15. COYOTE® In-Line RUNT Brackets

*ADSS Clamps are supplied for respective COYOTE mounting hardware, items 11, 12, 13, 14 & 15. Catalog numbers for the combinations are found later in this section in the Aerial Closure Mounting Kits table.



INSTALLATION INFORMATION

FIBERLIGN® CLAS Storage detailed application procedures are provided with the product and also found on PLP's website. Instructions are provided for cable storage only as well as cable storage with butt splice. Heavy duty cable straps are used to secure each CLAS bracket to the cable.

18" (457mm) cable loop diameters are stored against the cable channel. Expansion tabs provide support for A) an outer cable wrap in Butt Splice applications or B) for large cables stored in an over and under (the tab) cable loop configuration. Maximum Loop diameter using expansion tabs is 20" (508mm).



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Kits include either the economical **cable abrasion protectors** or the low profile **Uni-Group Cable Guide (UCG)** for the cable passing by the pole. **Cable abrasion protectors** are 8" long polyethylene slit sleeves that slide over the cable – secure in place with 2 factory supplied cable straps. Two sizes of abrasion protectors are supplied to cover cables up to .5" diameter and from .501"-1.00". The **UCG** offers a controlled method of guiding the cable past the pole in tight pole space applications. This guide will capture up to 5 each 1" diameter cables within a 4-1/4" pole space. Either method can be used for any structure application. The UCG includes lag bolts for wood pole applications and machine bolts for banded applications on steel or concrete poles. The UCG will accept a maximum 3/4" (19mm) wide band – band is not supplied.



Cable straps are used to strap the cable to CLAS Storage brackets and cables together. PLP offers Heavy Duty 1/2" wide UV resistant cable straps with the kits as an option.

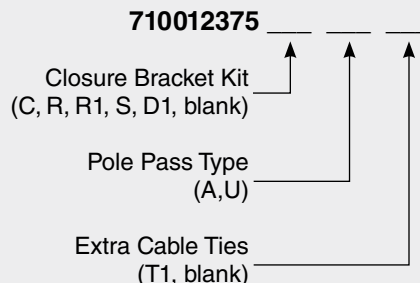
For relatively small diameter cables approaching 0.40" (10mm), an optional filler tube may be used to increase the outer diameter, which can help surface engagement with the cable straps. PLP offers filler tubes which are 20" long and slit for easy installation. See catalog number in ordering instructions.

ORDERING INSTRUCTIONS

FIBERLIGN® CLAS Storage Kits

The FIBERLIGN® CLAS Storage product has a suffix code system for ordering in various configurations. The main catalog number 710012375 identifies common components for kits with and without butt splice storage. Suffix codes are added to identify the type of Closure Bracket kit, the Pole Pass Type, and the option of 25 extra Cable Straps. Cable straps are used to strap the slack cable to CLAS Bracket and main cable. The ordering key is shown above along with an example.

Order Catalog # and choose options



Aerial Closure Bracket Kits	Option
No Brackets – Cable Storage Only	Blank
Classic COYOTE PUP, 6" x 22", and 8.5" x 22"	C
Classic COYOTE RUNT	R
COYOTE In-Line RUNT Closure	R1
Stainless Steel Splice Case	S
Universal Dome Mounting Kit for 8" Max Dome O.D.	D1
Pole Pass Type	Option
Abrasion Protectors	A
Uni-Group Cable Guide	U
Extra Cable Ties	Option
No Extra Ties (10 included in kit)	Blank
25 Extra Heavy Duty Cable Ties (P/N80808917)	T1

Example: Cable Storage with BUTT Splice for 6.5" x 17" COYOTE® Dome and UCG:

Catalog No. **710012375D1U**

This kit includes:

- COMPONENTS of 710012375 (common to all kits)
- 2 each FIBERLIGN CLAS Storage Brackets with bracket cable straps (5 per bracket)

SUFFIX CODE "D1"

- Universal Dome mounting brackets for Domes up to 8" Max O.D.

SUFFIX CODE "U"

- Uni-Group Cable Guide with fasteners.

Filler Tube	
Catalog Number	Description
699912980	Filler Tube for cables < .5" - 20" long, 10 pack

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Aerial Closure Mounting Kits for ADSS

Mounting kits are offered separately for Butt Splice products.

Catalog Number	Description
8003459	Mounting Kit for Classic COYOTE® Closures 6" x 22", 8.5" x 22", and COYOTE® PUP Closure – ADSS
8003474	Mounting Kit for Classic COYOTE® RUNT Closure – ADSS
8003460	Mounting Kit for COYOTE® Splice Cases (all sizes) includes Universal Mounting Kit – ADSS
8003833	Mounting Kit for COYOTE® Dome Closures 6.5" x 17" and 6.5" x 22" – ADSS
8003864	Mounting Kit for COYOTE® In-Line RUNT Closure – ADSS

ADSS Armor Rods

ADSS Armor Rods are available for ADSS cable protection at locations where Mounting Brackets are installed away from Dead-ends. All sets have an overall length of 27" (.68 meters).

Catalog Number	Cable O.D. Range		Rod Dia. (mm)	Rods per set	Subsets	Color Code
	in	mm				
1000172	.400-.450	10.1-11.4	.102" (2.6)	15	5-5-5	Red
1000173	.451-.509	11.5-12.9	.102" (2.6)	15	5-5-5	Black
1000174	.510-.575	13.0-14.6	.102" (2.6)	16	4-4-4-4	Blue
1000175	.576-.649	14.7-16.4	.102" (2.6)	18	5-5-4-4	Orange
1000176	.650-.730	16.5-18.5	.121" (3)	17	5-4-4-4	Green
1000177	.731-.820	18.6-20.8	.121" (3)	19	5-5-5-4	Brown
1000178	.821-.920	20.9-23.3	.136" (3.5)	19	5-5-5-4	Yellow
1000179	.921-1.007	23.4-25.6	.136" (3.5)	20	5-5-5-5	Purple

Aerial Closure Mounting Kits for Lashed Messenger Applications

Catalog Number	Description
EVOBKT-AE	Mounting Kit for COYOTE® ONE DOME – Lashed Messenger
8003325	Mounting Kit for Classic COYOTE® Closure 6" x 22", 8.5" x 22", and PUP Closure – Lashed Messenger
8004035	Mounting Kit for COYOTE® Dome Closures 6.5" x 17" and 6.5" x 22" – Lashed Messenger
8004037	Mounting Kit for COYOTE® Dome Closures 9.5" x 19" and 9.5" x 28" – Lashed Messenger