

OPTI-LOOP

Fiber & Cable Accessories, Inc.

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U.S.A

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Who is Fiber & Cable Accessories, Inc.?

- + Fiber & Cable Accessories, Inc. was founded by Joe and Sheila Forrester in 1990. With 19 years of manufacturing and engineering experience, Joe Forrester was called upon by the industry to help develop a device for storing reserve fiber optic cable. Standard storage methods at that time were costly, unsafe and inadequate. Helping to develop a loop device to store reserve fiber cable, the method was introduced to the industry. The device resembled a snow shoe; therefore, the name “snow shoe” was adopted by engineers, contractors, and distributors as a preferred method of storing reserve fiber optic cable by maintaining the correct minimum bend radius required for cable integrity. Fiber & Cable Accessories, Inc. markets this storage unit under the trade name **OPTI-LOOP®**.
- + Fiber & Cable Accessories, Inc. continues to develop and manufacture products needed for the ever changing broadband, utility, and telco industries, such as the Horse Shoe®, used in “fiber to the home”, or “fiber to the premise” (FTTP) applications.
- + For this training session, we will be learning specifically about the **HORSE-SHOE®**.

The future of the fiber optic industry – Redefined.

For years, the broadband, utility and telco industries have been searching for a way to make “fiber to the home” or “fiber to the premise” applications profitable and worthwhile. In a fiber to the premise system (FTTP), the drop cable support fixture (DCSF) is used in conjunction with a multiple port splice closure to: 1) protect the minimum bend radii of the multiple independent drop cables, 2) provide a surplus length of drop cable for future expansion, and 3) eliminate unsightly and exposed “coils” on the poles.

Fiber & Cable Accessories, Inc. recently developed a system to make this a reality. The product developed for this system is being referred to as a “horse-shoe”, and is literally a smaller version of the Opti-Loop®.

On the next page, look at and study the way the horse-shoe is being implemented. There will be more to come as this system is developed further.

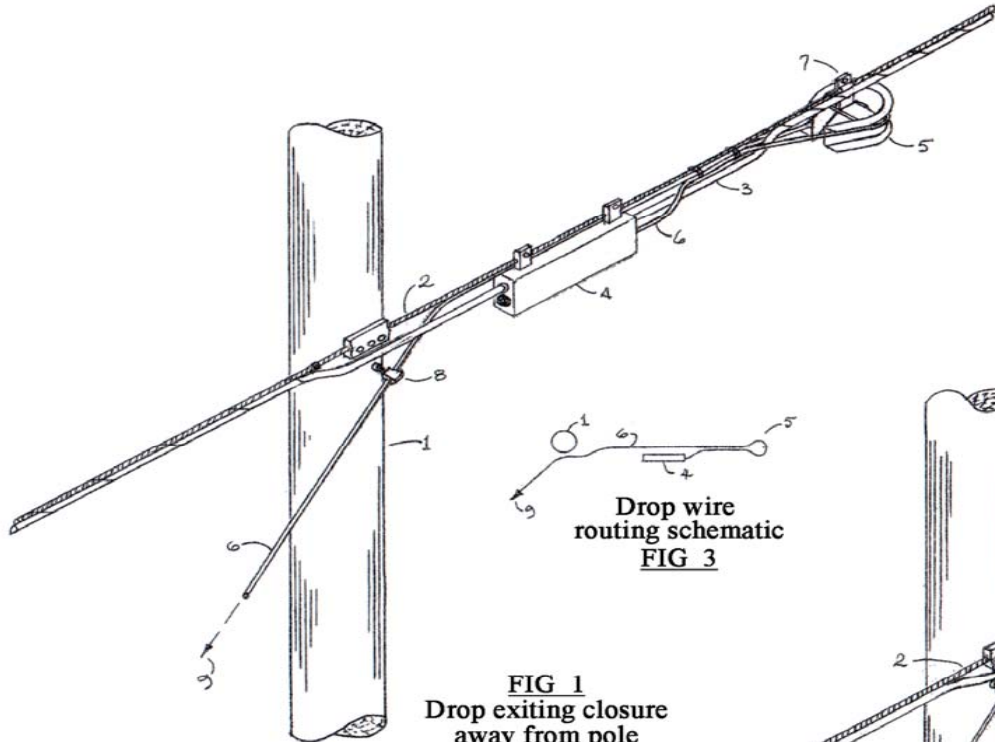
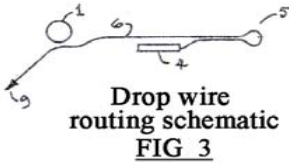


FIG 1
Drop exiting closure
away from pole



Drop wire
routing schematic
FIG 3

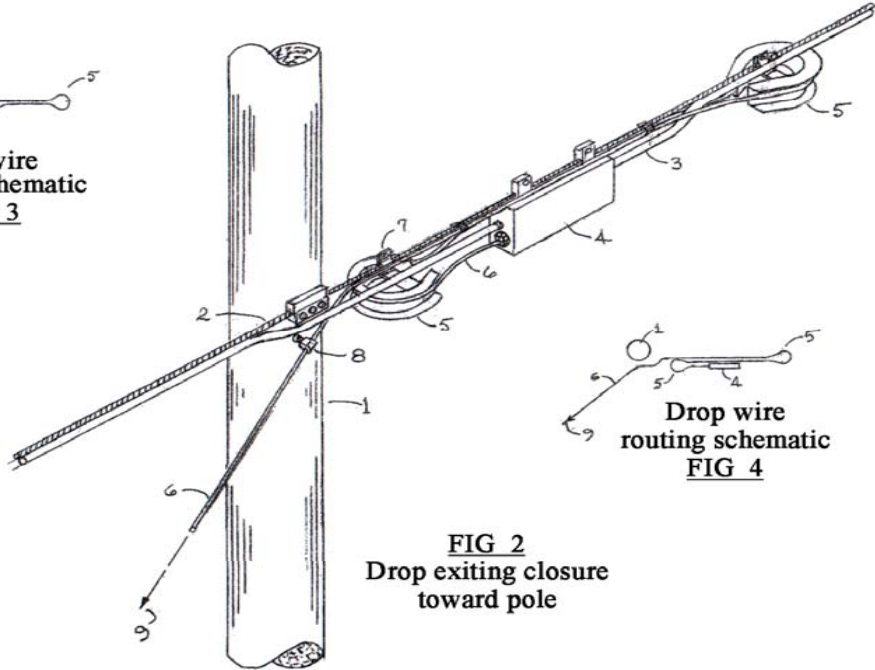
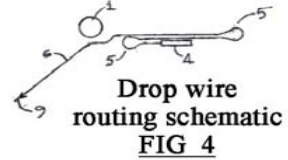


FIG 2
Drop exiting closure
toward pole



Drop wire
routing schematic
FIG 4

1. Pole
2. Messenger (support strand)
3. Main Fiber Optic Cable
4. Cable Closure
5. DCSF (Drop Cable Support Fixture)
6. Fiber Optic Drop Wire (one shown, up to eight may exit each end of closure)
7. Horseshoe - To Support Strand Bracket
8. Drop Wire to Pole Bracket
9. Routing Direction of Drop from Pole to Subscriber Location

FIG 1 depicts the proper installation and positioning of the splice closure and the DCSF when drop cables exit from only one end of the splice closure. The amount of surplus cable can be determined by the distance that the DCSF is located away from the splice closure. The Figure 1 drawing depicts only one drop cable to illustrate routing; but, up to 8 cables can be installed on 1 DCSF.

FIG 2 depicts the proper installation and positioning of the splice closure and the DCSF when drop cables exit from both ends of the splice closure.

All drop cables should be tightly secured by tywraps to the DCSF and support strand to prevent possible damage to the drop cables.