COYOTE® AXCESS SOLUTIONS WALL MOUNT CABINETS
(for 12 and 24 fibers)

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED™ product before application.

Catalog Number	Product Description
WDC2	Wall Mount Cabinet with Splice Tray Holder up to 12 Fiber Connections
WDC4	Wall Mount Cabinet with Splice Tray Holder, up to 24 Fiber Connections

FIGURE 1 - NOMENCLATURE

1.00   NOMENCLATURE

1.01 1. Wall Mount Cabinet Assembly
2. Adapter Module (sold separately)
3. Small Parts Bag (mounting screws, tie wraps, ground lug)

2.00   DESCRIPTION

2.01 The COYOTE Axcess Solutions Wall Mount Cabinets are designed to protect and organize optical fiber splices and connectors in the central office, equipment room, CEV and building entrances.

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2.02   Two sizes of cabinets with optional Splice Trays are available to accommodate from 12 to 24 fiber splices and connectors. Cabinets with COYOTE Splicing Systems are available for 48 to 144 splices and connectors.

2.03   Adapter Modules are available with all standard fiber optic connectors and are ordered separately.

3.00   MOUNTING ON WALL

3.01   Remove the front cover by lifting it off the lower hinge section.

3.02   Remove the cover from the splicing chamber by lifting it out of the slots on the left side.

3.03   Position the rear section of the cabinet against the plywood backboard or wall where it is to be located, level, and mark the center of the four mounting hole locations.

3.04   If a plywood backboard is used, drill a small pilot hole at the marks, otherwise install the appropriate anchors at the marked locations.

3.05   Fasten cabinet securely to the wall.

3.06   Secure the provided ground lug to the threaded hole in the left side of the cabinet with the 1/4-20 x 1/2" pan head screw provided.

3.07   Ground the cabinet to an approved ground with a #6 solid copper wire (or equivalent) attached to the ground lug.

4.00   PREPARATION AND ROUTING OF FEEDER CABLE

4.01   Remove the plug from the cable entry to be used (top or bottom) and install the appropriate non-metallic conduit fitting (if required).

4.02   Install the L-Bracket assembly adjacent to the entry being used with the 1/4" bolt, nut and lockwasher provided.

4.03   Feed the cable through the conduit (if required) into and through the cabinet.

4.04   With the end of the cable jacket extending 1-1/2" (38 mm) into the cabinet, remove a minimum of 80" (2032 mm) of sheath from the cable for the WDC2, and 100" (2540 mm) for the WDC4.

4.05   Thoroughly remove all filling compound from the buffer tubes or unitube using your accepted company practices.

4.06   If required, install a bond connector at the end of the cable jacket, and secure it to the L-Bracket Assembly.

4.07   Capture the central strength member and any other strength member into the clip on the L-Bracket Assembly.

4.08   Mark the buffer tubes or unitube about 3" (76 mm) beyond the end of the L-Bracket Assembly.

4.09   Remove the buffer tube or unitube up to the mark and clean according to your accepted company practices.

4.10   Loosely route the bare fibers twice around the splicing compartment and into the bottom groove of the Splice Block as shown in Figure 2. Cut off excess fiber length just beyond the end of the Splice Block.
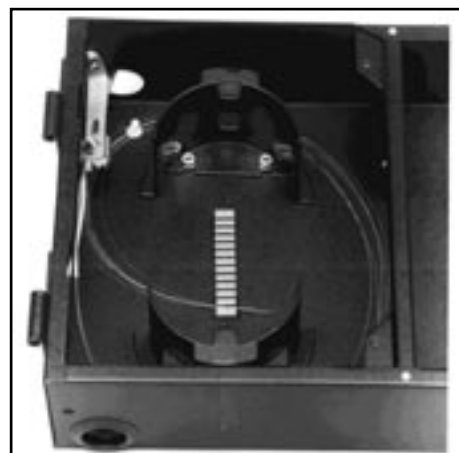

FIGURE 2 - ROUTE FIBER

4.11   Drape the fibers over the Fiber Radius Hoops and use the felt strips to secure the fibers to the back of the splicing compartment.

5.00   PIGTAIL PREPARATION & ROUTING

5.01   The following are the required pigtail lengths for each COYOTE Axcess Wall Mount Cabinet:

> WDC2...............2 meters
> WDC4...............2 meters

5.02   Select one of the Adapter Modules (purchased separately) and install it in one of the locations in the cabinet bulkhead with the locking

fasteners on the inside of the splicing compartment. Push the locking fasteners at the ends of the Adapter Modules to secure it in place.

PLP TIP: Install the back Adapter Modules first to ease assembly.

5.03 Select six pigtails, clean the fiber connector, and connect them to the splice chamber side of the Adapter Modules.

5.04 Route the pigtails through the center of the Fiber Radius Hoops, around the splicing compartment one and one-half turns and into the Splice Block as illustrated in Figure 3. Remove excess pigtail length.
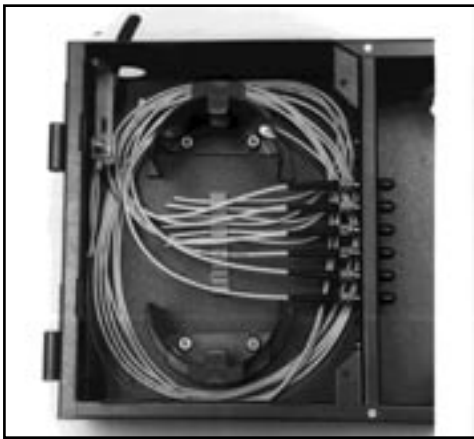

FIGURE 3 - ROUTE THE PIGTAILS

5.05 Mark the jacket of each of the pigtails at a point 2" (51 mm) beyond the bending radius as shown in Figure 4.

FIGURE 4 - MARK PIGTAILS

5.06 Carefully remove the jacket on each pigtail up to the mark. Number or color code the connector strain relief and the 900 micron tight buffer for fiber identification.

PLP TIP: PLP® has pigtails available with different colored 900 micron tight buffer coatings to simplify fiber identification.

6.00 FIBER SPLICING AND ROUTING

6.01 Lay the pigtail fibers into individual grooves of the Splice Block and mark the pigtail fibers just beyond the center of the Splice Block.

6.02 Disconnect the Adapter Modules with installed pigtails from the bulkhead and remove the pigtails from the splicing compartment for the splicing operation.

6.03 Mark the feeder cable fibers just beyond the center of the Splice Block and uncoil the fibers from the splicing compartment for the splicing operation.

PLP TIP: Use felt tape to secure the fibers to the back of the splicing compartment just beyond the end of the buffer tubes or unitube to avoid undue bending of the fibers during this operation.

6.04 Splice the pigtail fibers to the feeder cable fibers using accepted company practices.

PLP TIP: Use the cover of the splicing compartment as a work table by placing it into the grooves at the bottom of the splicing compartment.

6.05 Lay the completed splices into individual grooves of the Splice Block.

7.00 JUMPER ROUTING

7.01 Clean the fiber connectors and attach the jumpers to the right side of the Adapter Modules.

7.02 Gently bend the jumpers toward and through the grommet on either the top or bottom of the cabinet.

7.03 Lightly secure the jumpers to the tie down post with the tie wraps provided.

8.00 ACCESSORIES

8.01 Page 4 tables detail the Adapter Modules and Pigtail Assemblies available for the COYOTE Axcess Solutions Wall Mount Cabinets.

Adapter Modules

Catalog No.	Description	Adapters	Sleeve
6SMSC	SC	6	Ceramic
6SCAPC	SC/APC	6	Ceramic
12SMDSC	SC	12 (6 Duplex)	Ceramic
8SMSC	SC	8	Ceramic
6SMST	ST	6	Ceramic
8SMST	ST	8	Ceramic
6SMFC	FC	6	Ceramic
8SMFC	FC	8	Ceramic
6FCAPC	FC/APC	6	Ceramic
6SMLC	LC	6	Ceramic
12SMLC	LC	12	Ceramic
600	Blank Plate	-	-

Pigtail Cable Assemblies - Bundled 900 Micron Fibers in Yellow Sleeve

Catalog No.	Connector	Fiber Count
P6SCU_*	SC/UPC	6
P12SCU_*	SC/UPC	12
P6SCA_*	SC/APC	6
P12SCA_*	SC/APC	12
P6ST_*	ST	6
P12ST_*	ST	12
P6FC_*	FC	6
P12FC_*	FC	12
P6LC_*	LC	6
P12LC_*	LC	12

*Cable length in meters
Contact PLP for other options

9.00   SAFETY CONSIDERATIONS

9.01   This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures may result in personal injury.

9.02   When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.

9.03   For proper performance and personal safety, be sure to select the proper size PREFORMED Product before application.

9.04   This product is intended for use by trained technicians only. This product **should not be used** by anyone who is not familiar with, and not trained to use it.

PREFORMED LINE PRODUCTS

SP2982