SYSTIMAX® SMB-4-3/4, SMB-8-1/2 Shelf Mounted Cable Bracket Kits and 360G2-XCPB Expanded Cable Protector Kit Instructions

General

The **SYSTIMAX**® SMB-4-3/4 and SMB-8-1/2 shelf mounted cable bracket kits and the 360G2-XCPB expanded cable protector kit provide for greatly improved and simplified fiber cable restraint and routing into the 360G2 combination termination/splicing shelf. The kits are designed for use with cables equipped with cable glands, either installed from the factory or added in the field. Kits are available that work with 1/2-inch and 3/4-inch cable glands. To offer additional protection of the fiber before it enters the shelf, the 360G2-XCPB expanded cable protector kit is available, which easily installs on the rear of a 360G2 shelf.

Ordering information is listed below:

Material ID	Description
760058651	SMB-8-1/2 kit – for use with 1/2-inch cable glands
760058644	SMB-4-3/4 kit – for use with 3/4-inch cable glands
760098459	360G2-XCPB expanded cable protector kit

Cable glands are generically known as Liquid Tight Straight Strain Relief Fittings or Liquid Tight Straight-Thru Cordgrips. In addition, these kits will work with armored cables, when cables are equipped with **PER FIT**® connectors.

If armored cables are being used, the BGND-12 Grounding Kit (760058693) must be used to ground brackets to equipment rails.

How to Contact Us

- To find out more about **CommScope**® products, visit us on the web at http://www.commscope.com/

- For technical assistance:

  - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or Authorized Business Partner.

  - Within the United States, report any missing/damaged parts or any other issues to **CommScope** Customer Claims at 1-866-539-2795. Outside the United States, contact your local account representative or Authorized Business Partner.

Tools Required

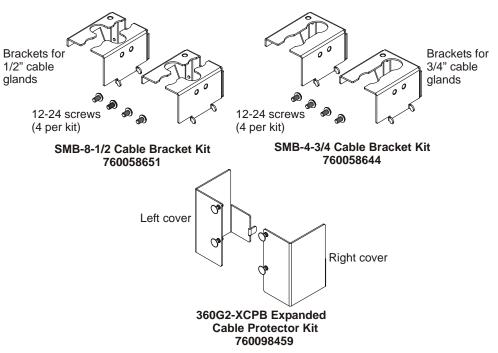- Flat head or phillips screwdriver

- End wrench or pliers

⚠ **CAUTIONS**

When installing and using this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Disconnected optical components may emit invisible optical radiation that can damage your eyes. Never look directly into an optical component that may have a laser coupled to it. Serious and permanent retinal damage is possible. If accidental exposure to laser radiation is suspected, consult a physician for an eye examination.

- Wearing safety glasses during installation of this product is recommended. Although standard safety glasses provide no protection from potential optical radiation, they offer protection from accidental airborne hardware and cleaning solvents.
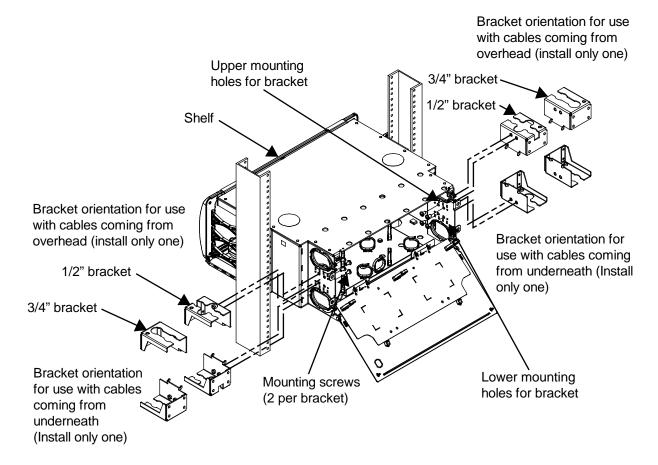
Parts List

Verify parts against the parts shown below:

Brackets for 1/2" cable glands

12-24 screws (4 per kit)

SMB-8-1/2 Cable Bracket Kit
760058651

Brackets for 3/4" cable glands

12-24 screws (4 per kit)

SMB-4-3/4 Cable Bracket Kit
760058644

Left cover

Right cover

360G2-XCPB Expanded
Cable Protector Kit
760098459

Step 1 – Mount Brackets to Shelf

Bracket orientation for use
with cables coming from
overhead (install only one)

3/4" bracket

1/2" bracket

Upper mounting
holes for bracket

Shelf

Bracket orientation for use
with cables coming from
overhead (install only one)

1/2" bracket

3/4" bracket

Bracket orientation
for use with cables
coming from
underneath
(Install only one)

Mounting screws
(2 per bracket)

Bracket orientation for
use with cables coming
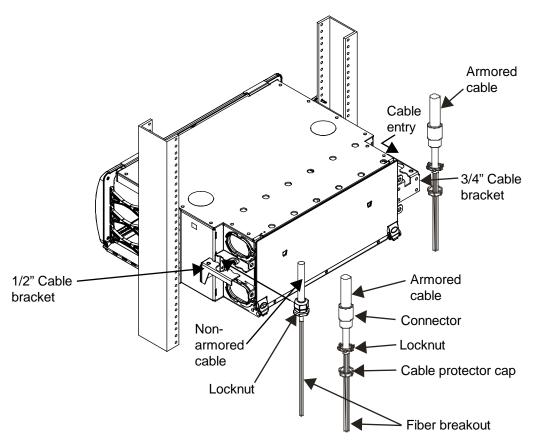from underneath (Install
only one)

Lower mounting
holes for bracket

Note: Brackets are reversible and can be swapped from side to side and configured to receive cables from overhead or from beneath the floor. Kits may also be combined, so that one bracket receives 1/2" NPT cable glands and the other receives 3/4" NPT glands. Choose the proper application before beginning installation.

1. Engage the two tabs on each bracket with the two slots in the rear corners of the shelf. The upper mounting holes are used for overhead cable routing and the lower mounting holes are used for under floor cable routing (see figure above).

2. Secure each bracket with the two screws provided, as shown in figure above.

   Note: If armored cables are being used, the BGND-12 Grounding Kit (760058693) must be used to ground brackets to equipment rails. **Equipment rack must be grounded.**

Step 2 – Install Cables

Note: Install cables one at a time. Cables will enter the brackets in the directions indicated.

Non-Armored Cables

1. Loosen hex nut sufficiently to slide cable gland body into slot in bracket. After sliding into slot, hand tighten hex nut. A flat on the nut may then be positioned against an inside wall of the bracket so that a wrench or pliers is not necessary to hold it in place.

2. Tighten cable gland the final ¼-to ½-turn required to fully secure it in place.

    Note: It may be advantageous to temporarily loosen the cable gland so that it is free to rotate around the cable to facilitate tightening of the nut and customization of the breakout length (the length of fiber that is exposed after the sheath is stripped back) that will be routed into the shelf.
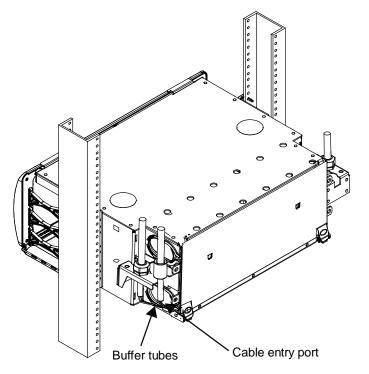
Armored Cables

1. Loosen lock nut sufficiently to slide connector (on end of armored cable) into slot in bracket. After sliding into slot, hand tighten lock nut.

2. Grasp connector body and use pliers to turn the locknut the final ¼-to ½-turn required to fully secure it in place.

3. Ensure the cable protector cap is in place (see figure above).

Step 3 – Route Fibers into Shelf

1. Carefully route buffer tubes from cables through provided ports and into the shelf (see figure to right).

Buffer tubes   Cable entry port

Step 4 – Install Optional Cable Protector Covers

After fiber routing is complete, cable protector covers may be installed for additional security.

1. Orient cover as shown and slide into place on shelf. The captive rivets should line up with the mating holes in the shelf. Be sure rivet head is pulled out before seating cover.

2. Push in on head of captive rivet to secure the cover. Repeat for the remaining cover as shown.

Note: Covers are a mirror-imaged pair. If shelf mounting brackets are configured so that one side receives overhead cables and the other receives below floor cables, two cable protector kits must be used.

Captive rivets

Holes on shelf

Cable protective cover