Universal™ Optical Splice Enclosures (OSE)
An Evolant® Solutions Product

Applications
• Used in equipment rooms, splicing vaults or building entrances in CATV, telco or private network environments

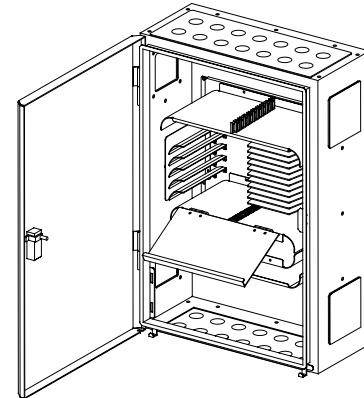• Wall-, rack- and T-slot mountable

Description
Corning Cable Systems Universal™ Optical Splice Enclosures (OSE) are designed to manage the transition between outside plant cables and fire-retardant indoor riser cables in fiber optic networks. These rugged and versatile enclosures are ideal for use in equipment rooms, splicing vaults or building entrance terminals in CATV, telco or private network environments.

The Universal OSEs were designed with flexibility in mind. An adjustable interior backplate and removable cable entry plates accommodate top-only, bottom-only or top and bottom cable entries. The removable cable entry plates also enable custom-entry options, including mid-span and combination entry configurations.
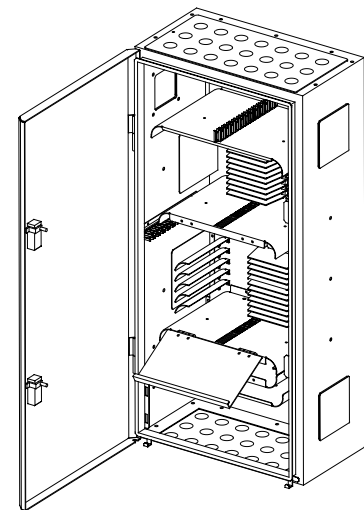
The Universal OSE was also designed to provide excellent fiber management. Throughout the cabinet, large routing and guide plates and large routing clips along the walls organize and separate stored fiber and fiber entering the splice trays. In addition, fiber may be routed through the four horizontal pass-through ports located near the top and bottom of the cabinet sides.

Each Universal OSE features a full range of capabilities for wall, 23-inch rack and T-slot mounting. The T-slot mounting hardware allows for both horizontal and vertical mounting and enables tight, side-by-side mounting arrangements. In addition, Universal OSEs are especially well-suited for installations that require preconnectorized cable assemblies or stubbed optical patch panels. In these installations, the Universal OSE can actually replace the rack-mounted splice unit typically required.

Corning Cable Systems offers two versions of the Universal OSE. The High-Density Universal OSE (OSE-HD) was designed for today's higher density fiber distribution systems. Each OSE-HD supports up to 864 single fiber splices or 144 mass fusion splices (1728 fibers) from as many as 42 cables. The Low-Density Universal OSE (OSE-LD) supports up to 432 single fiber splices or 72 mass fusion splices (864 fibers) from as many as 28 cables.

Low-Density Universal OSE | Drawing ZA-1390

High-Density Universal OSE | Drawing ZA-1392

To achieve each unit's maximum fiber density, Corning Cable Systems recommends using the splice trays designed for the Universal OSE. Each tray can accommodate up to 36 single fiber splices or six mass fusion, 12-fiber ribbon splices.

The Low-Density Universal OSE (OSE-LD) can be configured to accommodate 12 OSE splice trays, twenty-one 0.2-inch splice trays or fourteen 0.4-inch splice trays. Similarly, the High-Density Universal OSE can accommodate 24 OSE splice trays, forty-two 0.2-inch splice trays or twenty-eight 0.4-inch splice trays.
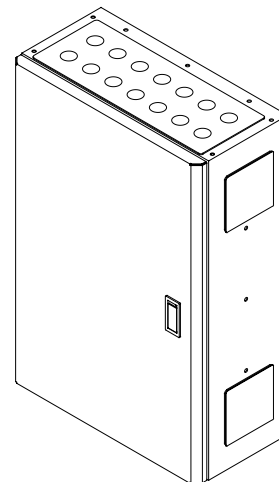
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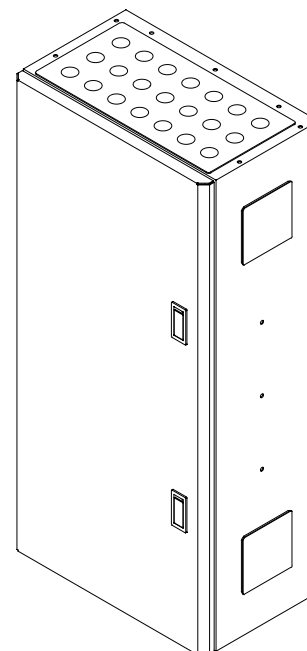
Features / Benefits

- Cable entry plates allow various entry options including standard cable entry and mid-span cable access

- Routing and storage components are attached to a removable back-plate that adjusts to accommodate top or bottom cable entry

- Routing and guide plates and routing clips provide excellent fiber management

- Accommodates specially designed high-density splice trays, although other splice trays can be used

- OSE-HD supports up to 864 single fiber splices or 1728 mass fusion splices

- OSE-LD supports up to 432 single fiber splices or 864 mass fusion splices

- Horizontal pass-through ports provided near top and bottom of cabinet sides

- Locking option for additional security

Low-Density Universal OSE (OSE-LD) | Drawing ZA-1389

High-Density Universal OSE (OSE-HD) | Drawing ZA-1391

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Specifications

Part Number	Dimensions in (cm) (H x W x D)	Shipping Weight lb (kg)
OSE-HD	45 x 22 x 13 (114.3 x 55.9 x 33.0)	90 (40.8)
OSE-LD	32 x 22 x 10 (81.3 x 55.9 x 25.4)	75 (34.0)
OSE Splice Trays	13 x 6 x 0.5 (33.0 x 15.2 x 1.3)	0.8 (0.4)

Ordering Information

OSE - ☐ ☐ ☐ - ☐ ☐ - ☐ ☐ - ☐
    1 **2**   **3** **4** **5** **6**   **7**

1 Select OSE.

HD = High-Density
LD = Low-Density

2 Select splice tray stacker type.

0 = Stacker for OSE splice trays (default)
2 = Stacker for 0.2-inch tall splice trays
4 = Stacker for 0.4-inch tall splice trays

3 Select workshelf.

W = With workshelf
0 = Without workshelf

4 Select T-slot mounting.

T = With T-slot mounting kit
0 = Without T-slot mounting kit

5 Select top cable entry plate.

1 = Standard cable entry
2 = Mid-span access plate

6 Select bottom cable entry plate (not required if same as top plate).

1 = Standard cable entry
2 = Mid-span access plate

7 Select locking option.

(blank) = No lock
L = Lockable

Note: Splice trays and cable entry accessories must be ordered separately.

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Splice Trays

The OSE Splice Trays are designed to maximize density in the Universal™ OSE. Each tray accommodates up to 36 single-fiber splices or six mass fusion, 12-fiber ribbon splices. The maximum number of trays for the Low- and High-Density OSE is 12 and 24, respectively.

Ordering Information

OSE - ST - ☐
1

1 **Select splice type.**

1 = Heat-shrink fusion
2 = Fusion
3 = Mass fusion (ribbon)
4 = Mechanical
5 = Splice Pak™ Splice Protector

Accessories

A watertight compression fitting is required for each cable. Corning Cable Systems recommends purchasing the OSE-CBL cable entry kit, which includes a compression fitting as well as hardware for central member strain-relief and cable grounding. The compression fitting can also be ordered separately.

Cable Entry Kit Part Number	Compression Fitting Only Part Number	Cable Diameter Range in (mm)	Compression Fitting Color Code
OSE-CBL-34	15-182-34	0.375 to 0.500 (9.5 to 12.7)	Blue
OSE-CBL-35	15-182-35	0.500 to 0.625 (12.7 to 15.9)	Brown
OSE-CBL-36	15-182-36	0.625 to 0.750 (15.9 to 19.0)	Yellow
OSE-CBL-37	15-182-37	0.750 to 0.875 (19.0 to 22.2)	Purple
OSE-CBL-38	15-182-38	0.875 to 1.000 (22.2 to 25.4)	Gray
OSE-CBL-39	15-182-39	1.000 to 1.125 (25.4 to 28.6)	Pink

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