

CraftSmart®

Fiber Protection Vaults (FPV)



Application

The CraftSmart Fiber Protection Vault (FPV) is a flat packed, easily assembled solution for the optimized installation and deployment of Clearfield FDH Cabinets and Pedestals.

All vaults include a custom cut-out in half of the lid, designed specifically for easy installation and mounting of FieldSmart FDH Cabinets and FieldSmart Fiber Delivery Point (FDP) Pedestals in above grade deployments with below grade slack cable storage. FPVs are equally suited for drop cable, splicing, interconnect and mid-span scenarios, which allows for maximum flexibility and customization in the outside plant network.

Designed to meet industry standards for strength and reliability exposure to underground applications.



Description

The Clearfield® CraftSmart product line provides physical fiber protection for products. It completes and delivers a turn-key passive solution from the central office/headend to the customer premises. CraftSmart Fiber Protection Vaults (FPV) provide the most cost-effective thermoplastic enclosures in the industry - meeting and exceeding the industry standards for strength, reliability, and environmental concerns.

Formed from a High-Density Polyethylene (HDPE) Thermoplastic, these vaults provide a solid base and light-weight material alternative to traditional polymer concrete enclosures. All CraftSmart Vaults come flat packed and are easily assembled by the customer on site. The flat pack configuration allows for reduced transportation, handling, and storage costs typically associated with a pre-assembled vault. Multiple industry standard sizes can be ordered with solid covers or pre-cut covers to accommodate all FieldSmart passive and active cabinet solutions.

Features and Benefits

Integrity

- Designed to comply to Telcordia GR-902
- Compliant to ANSI/SCTE 77 2010 as specified by N.E.C. ANSI C57 Enclosure Integrity
- Compliant to Western Underground Guide 3.6
- Stainless steel hardware

Protection

- Hex head security bolts
- Vaults incorporate a unique overlapping cover design to reduce soil mitigation into box

Access

- Multiple cover options, including a 2-piece split thermoplastic cover, provide ease of access and cut outs for FieldSmart cabinets and pedestals
- Mounting bolts for FieldSmart cabinets and pedestals are included with cutout lid option

Investment

- High strength rigid construction ensures long term reliability in the harshest environments
- Lighter and easier to handle than concrete, which increases the overall safety factor
- Flat packed to improve efficiencies and lower cost of transportation, storage and deployment

Cover Options



Split Thermoplastic Cover with Cutout in ½ Lid

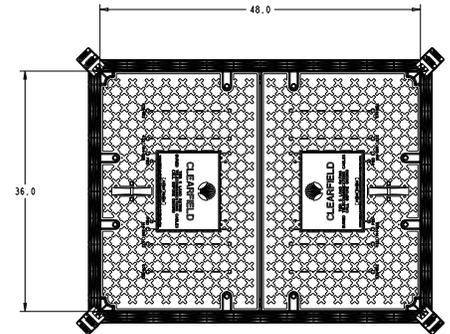
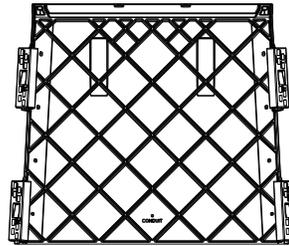
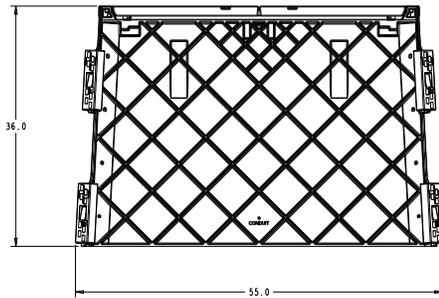
Application: Clearfield Passive Cabinets and Pedestals
 Mounting: New cabinet and/or pedestal deployment
 Static Load: 5,000 lbs



Split Thermoplastic Cover – No Cutout in Lid

Application: Slack cable storage
 Static Load: 5,000 lbs

Technical Specifications



Flared Wall	A Inside Dim. Width	B Inside Dim. Width	C Outside Dim. Width	D Outside Dim. Width	E Height	Approx. Weight with HDPE Cover	Recommended Clearfield Product
36" x 48" (914.40 mm x 1219.20 mm)	36" (914.40 mm)	48"	43"	55"	36" (914.40 mm)	260 lbs	Clearfield FDH Cabinets, 144, 288, 432, 576, 1152 PON and 432, 864, 1728 XCONN. FiberFirst Pedestal, YOURx- Terminal

Pre-Configured Part Numbers

Part Number	Description	Application/Where Used		
		Slack Storage	FDH 144, 288, 432, 576, 1152 PON 432, 864, 1728 XCONN	FiberFirst 12" Pedestal
VC7B-BZP	Vault, Below Grade Clearfield, 36" x 48" x 36" with Solid Split HDPE Lid, Flared Wall	✓		
VC7B-CZP	Vault, Below Grade Clearfield, Split HDPE Lid, with Cut Out for FieldSmart Cabinets, Flared Wall, with Bolt Kit		✓ Bolt Kit Included	✓ Bolt Kit Included

Cabinets and pedestals need to be ordered separately.

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Part Number	Description	Application/Where Used
023726	Universal Cabinet/Pedestal Mounting Hardware Kit	All FSC/FDH Cabinets Mounted on HDPE Lid
VCZ-STEP	Step Rack/Ladder Kit, includes 2 – 30” Ladder Racks, 2 -14” Steps and Mounting Hardware	Any application where needed on any/all vaults
022986	Vault, ½ Solid Lid	Can be used for VC7B-BCP (use two halves) or VC7B-CZP (use one of these and one of the lids with cut outs) to mount a Clearfield Cabinet or Pedestal; Spare or Replacement Lid
022987	Vault, ½ Lid with Cut Out for Clearfield Cabinets and Pedestals	Use with ½ solid lid for VC7B-CZP; Spare or Replacement Lid

- Cardboard shipping box is covered with a plastic wrap/bag.
- Up to 3 vault boxes shipped per pallet.

