# CraftSmart®
## *TAP-Flex Home Deployment Kit*

## Application

A **CraftSmart Home Deployment Kit (HDK)** extends Clearfield's field-proven fiber management expertise and leading-edge fiber connectivity performance all the way into the home. Starting with the Test Access Point (TAP) solution of your choice, the Home Deployment Kit packages the required patch cords, fiber jack (Clearfield's CraftSmart Fiber Outlet) and necessary adapter and splice sleeve installation accessories in a single box. Truck rolls are minimized and customer turn-up is rapid. Choose the **CraftSmart TAP-Flex HDK** for environments where plug-and-play along with internal slack storage is desired within the unit mounted outside the home.

### CraftSmart TAP-Flex

The CraftSmart TAP-Flex is a NEMA 3S rated drop termination point that allows for any type of fiber drop cable to be routed and plugged into the supplied adapter. This method allows the pre-terminated FLEXdrop entrance fiber to be easily plugged into the TAP-Flex and routed into the home or if needed, a pre-marked drill point in the back of the enclosure can be used to route the entrance fiber directly into the home. The compact footprint of the CraftSmart TAP-Flex enables providers to easily place the fiber termination point on the side of the home, while providing a neatly organized plug-and-play installation.

**Integrity**
- Supports industry standard SC adapters
- Includes mounting hardware and cable ties

**Protection**
- UV Stable ABS
- Snap and screw latching system

**Access**
- Accepts 10mm microduct and standard flat drop utilizing supplied grommet tape
- Internal positive fiber management and fiber retention clips
- Rear exit for direct entrance to premise

**Investment**
- Access available without customer needing to be there to identify potential problems.

### CraftSmart Fiber Outlet

The CraftSmart Fiber Outlet can accommodate 4 entrance points for 3mm cable and up to 4 SC adapter ports. The splice tray is hinged and easily removable for non-splicing applications. This small indoor enclosure provides both bend limiting protection and a secure termination point to connect the entrance fiber to the included equipment jumper.

**Integrity**
- Supports industry standard SC adapters

**Protection**
- Snap-on cover for dust free protection

**Access**
- Easy installation
- Accommodates 4 adapter ports
- Four cable entrance points

**Investment**
- Cables can be connected without splicing
- Hinged and detachable splice tray

### FieldShield FLEXdrop

FieldShield FLEXdrop cable has an OSP-rated PVDF jacketing that allows for transition of FLEXdrop from the OSP environment directly into the inside plant, with the added benefit of being UL listed for plenum applications. FLEXdrop can be used as a building wrap at turn-up, maximizing installation efficiency.

**Integrity**
- Available in singlemode
- Supports all industry standard connectors

**Protection**
- UL listed for plenum applications for single fiber only
- Passed UV testing and measurement standards per ASTM G155 for UL 1581
- Bend-insensitive (G.657.A2) fiber protects optical signal with minimal to zero attenuation down to a 10 mm radius
- OSP rated PVDF jacketing provides ruggedized protection for the patchcord or pigtail
- Staple-ready for walls, joists and around corners, with Crown T-18 staples
- Swellable yarns for water blocking capabilities

**Access**
- Standard color is black with an option for off-white
- Suitable for all types of indoor and outdoor implementations (duct required for aerial and direct bury)
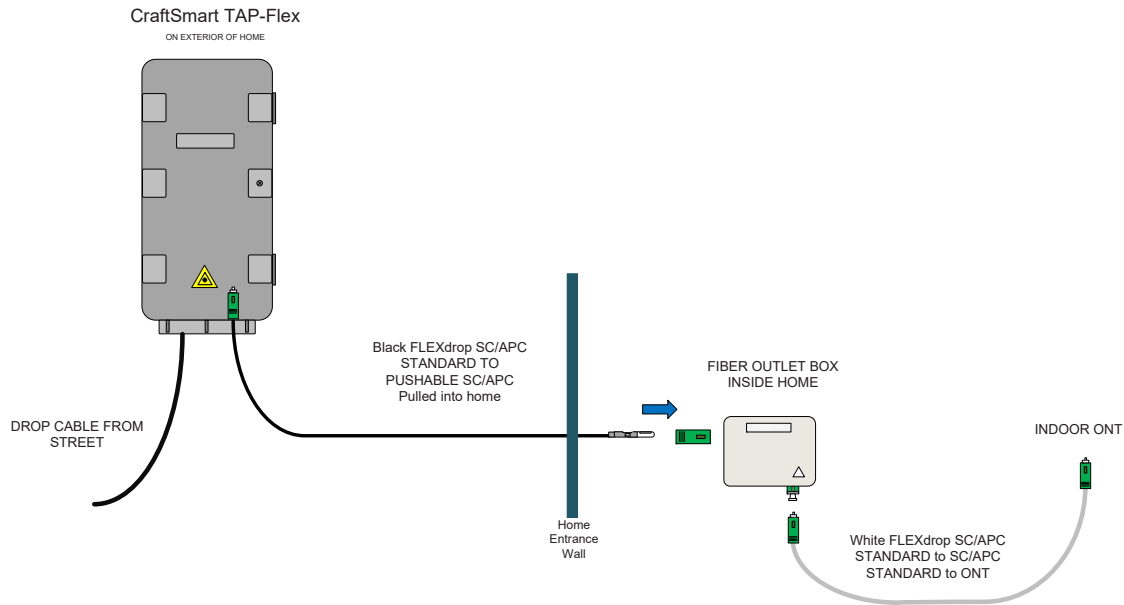
**Investment**
- Quick and easy deployment allows capital investment to be aligned to customer take rates

# CraftSmart®
## *TAP-Flex Home Deployment Kit*

CLEARFIELD

CraftSmart TAP-Flex
ON EXTERIOR OF HOME

Black FLEXdrop SC/APC
STANDARD TO
PUSHABLE SC/APC
Pulled into home

FIBER OUTLET BOX
INSIDE HOME

INDOOR ONT

DROP CABLE FROM
STREET

Home
Entrance
Wall

White FLEXdrop SC/APC
STANDARD to SC/APC
STANDARD to ONT

## Technical Specifications

| CraftSmart TAP-Flex | |
|---|---|
| Dimensions | 5.12 x 10.35 x 1.5 inches (130 x 263 x 37 mm) |
| Color | Gray |
| Rating | NEMA 3S |
| Material | Acrylonitrile Butadiene Styrene, UV Stabilized (ABSUV) |
| Adapter Style Receptacle | SC and LC (Stack Two) |
| Port Count | 2 |
| Seals | Foam Wrap |
| Included Hardware | Wall Mounting Screws (3) and Tie Anchors (3) |

| CraftSmart Fiber Outlet | |
|---|---|
| Dimensions | 3.9 x 3.2 x 1.25 inches (100 x 80 x 32 mm) |
| Color | White |
| Operating Temperature | -20°C to 60°C |
| Material | ABS |
| Adapter Style Receptacle | SC and LC |
| Adapter Slots | 4 Slots |
| Accessores | Removable Storage Tray |

# CraftSmart®
## TAP-Flex Home Deployment Kit

### FieldShield FLEXdrop

| | |
|---|---|
| Fiber | Corning ClearCurve Optical Fiber or equivalent |
| Clad Diameter | 125.0 ± 0.7 µm |
| Coating Diameter (Uncolored) | 235 - 245 µm |
| Bend-Insensitive | Bend-Insensitive Fiber G.657.A2 |
| Color Code | TIA/EIA 598 (US Standard) |
| Fiber Count | Single and dual fiber |
| Pushable Connectors | FieldShield SC/UPC and SC/APC |
| Standard Connectors | SC/UPC and SC/APC |
| Mode | Singlemode |
| Internal Fiber Size | 900 µm |
| Outside Diameter | 0.118" (3 mm) |
| Color | Black or white |
| Material | PVDF |
| Bend-Radius | Standard to G.657.A2 specifications |
| Installation Temperature | -22°F to 131°F (-30°C to 55°C) |
| Operating Temperature | -40°F to 176°F (-40°C to 80°C) |
| Installation Tension | 20 lbf |
| Markings | Part number, lot number and footage markers every two feet (609.60 mm) |
| Cable Attenuation Spec | 0.35 dB/km @ 1310 nm/0.25 dB/km @ 1550 nm |
| Recommended Drop Length | 150 feet (45.72 m) or less for normal installation conditions |

## Home Deployment Kit Includes:

- CraftSmart TAP-Flex
- CraftSmart Fiber Outlet
- Black Entrance Cable: FLEXdrop Pushable Fiber (Configurable adapter and lengths)
- White Equipment Cable: FLEXdrop Pushable Fiber (Configurable adapter and lengths)

## Configured Part Numbers

HDK – C Z ___ ___ – ___ ___ F ___ – ___ ___ FW ___

[1] [2]   [3] [4]   [5]   [6] [7]   [8]

**1  Select Adapter**
A = SC/UPC
C = SC/APC

**2  Select Fiber Outlet Adapter**
A = SC/UPC
C = SC/APC

**3  Select Connector 1 for Entrance**
A = SC/UPC
C = SC/APC

**4  Select Connector 2 for Entrance**
B = Pullable SC/UPC
D = Pullable SC/APC

**5  Select Length**
2 = 15 ft.
3 = 25 ft.
4 = 50 ft.

**6  Select Connector 1 for Equipment**
A = SC/UPC
C = SC/APC

**7  Select Connector 2 for Equipment**
A = SC/UPC
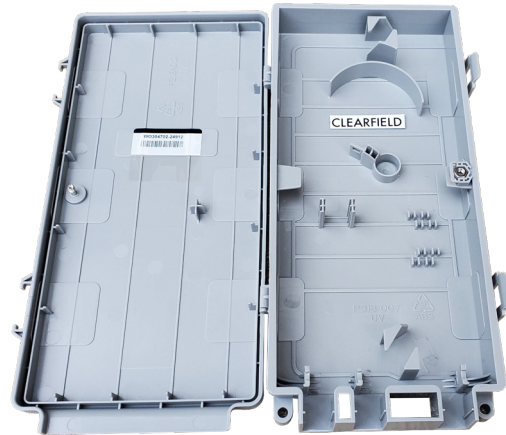C = SC/APC

**8  Select Length**
1 = 10 ft.
2 = 15 ft.
3 = 25 ft.

# CraftSmart®
## *TAP-Flex Home Deployment Kit*



**Adapter and Splice Sleeve Accessories**



**CraftSmart TAP-Flex**