

CraftSmart FiberFirst Pedestals

Installation Manual



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CraftSmart FiberFirst Pedestals

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Installing the Pedestal

These instructions provide general information useful for pedestal installation. This guide cannot anticipate all situations that could develop in the field. Rather, it represents information applicable to common installation conditions.

Note: Prior to installation, do **NOT** remove the two black bands around the base of the pedestal.

Site Preparation:

Ensure that national/local electrical and building codes, as well as OSHA and company safety work rules, are observed and provisions made for street flags, barricades, and cones. Secure permits as required by the city and company.

WARNING: Buried Telecommunications Cables - Call Before Digging

Excavation:

Measure the pedestal base from the bottom to the underside of the top ring of the pedestal base. You will want almost all of the top ring of the pedestal above ground level when installation is complete. Measure the diameter of the pedestal base. Excavate a hole with the depth you measured plus 4-6 inches, as well as the diameter plus 8 inches, to give 4 inches of room to work with on each side. Confirm the excavation floor is level.

Installation:

Tamp and level the floor of your excavated hole. Clearfield highly recommends the installation of a vapor barrier, which will go below the crushed rock floor of the excavated area. Once the vapor barrier is installed, place 4"-6" of crushed rock and level, then place the pedestal.

Optionally, install the customer supplied pedestal stake to the back of the pedestal with large square washers.

Proceed to backfilling around the outside of the pedestal, tamping and leveling the earth once backfill is completed. Finally, fill the base of the pedestal with at least 6 inches of crushed rock.

Note: Base material shall be crushed rock 3/4" and smaller, and not "river rock" or "round stone." Desired compaction and equivalent resistance to lateral loading will not be achieved with round stone. The rock should be free of soil and organic material.



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Pedestal Access

The FiberFirst Pedestal lid can be removed by loosening the two security bolts at the bottom from of the lid. Using a can wrench or a 7/16" socket, loosen the bolts, twist the lid and lift away.

Note: Do **NOT** remove the two black bands around the base of the 6" pedestal.



Grounding

Clearfield recommends that all grounding installations follow the "per local practice" guidelines for each application.

A ground bar is located on the inside of the pedestal's metal loop.



6" Pedestal

Installing a SeeChange Terminal

1. Insert the threaded stud of the SeeChange Terminal's top bracket into the crossbar near the top of the pedestal.
2. Using the wing nut, secure the SeeChange Terminal into the pedestal.
3. Proceed to connecting your SeeChange Fiber Assemblies into the terminal.



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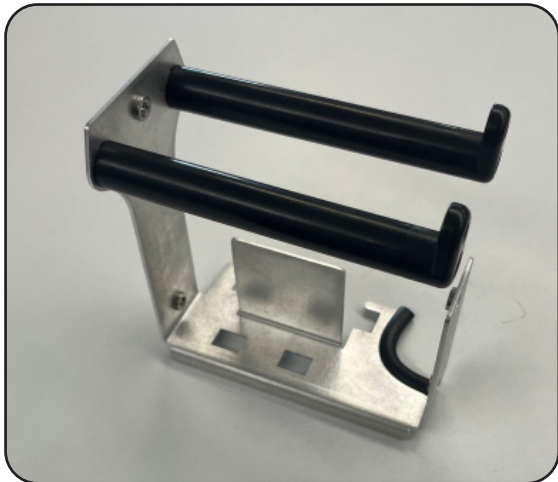
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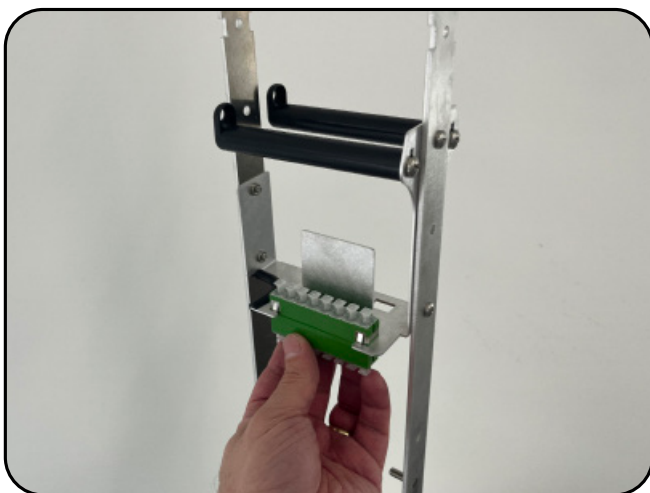
Installing a Multi-Fiber Terminal

Installing the Adapter Plate Bracket

1. If not preinstalled, the adapter bracket must be mounted to the hoop of the pedestal. Align the top of the bracket below the lowest notch in the pedestal's hoop. Secure with the provided hardware.



2. Install the adapters into the adapter plate.

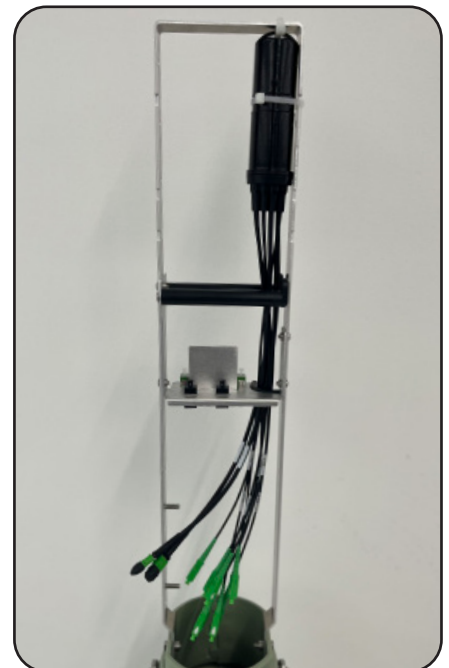
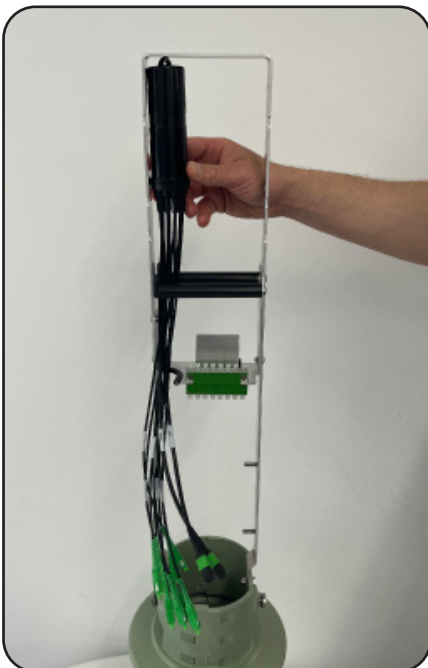


Installing the TetherSmart Multi-Fiber Terminal

1. Feed the legs of the MFT down through the gap between the two radius fingers on the top of the adapter plate bracket.



2. Bring the body of the MFT up to the top corner of the pedestal's hoop.
3. Secure the MFT to the hoop with a cable tie, utilizing the notch in the hoop and the indented ring on the MFT body to prevent it from sliding down.
4. Optionally, a second cable tie can be used on the bridge located at the top of the MFT, securing the MFT to the top of the hoop as well.

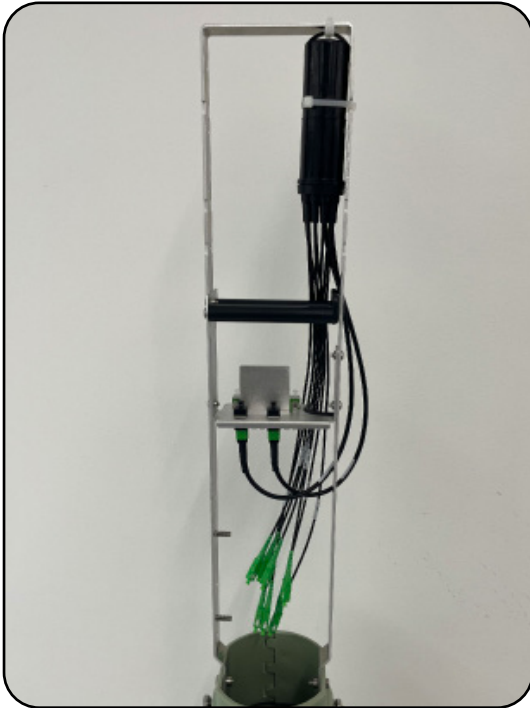


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5. Inspect, clean if necessary, then connect each leg into the adapters.



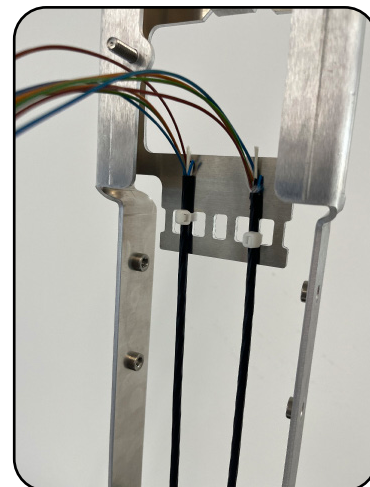
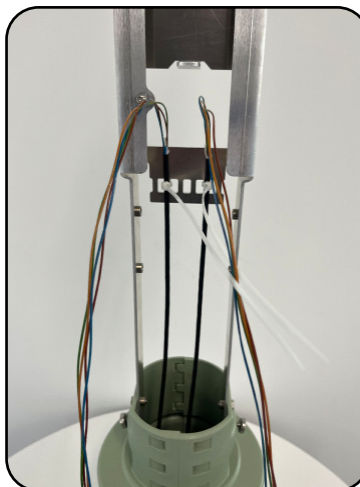
6. Optionally, secure the legs to the pedestal's hoop with velcro.



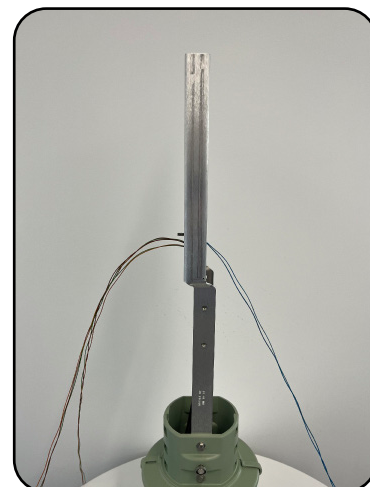
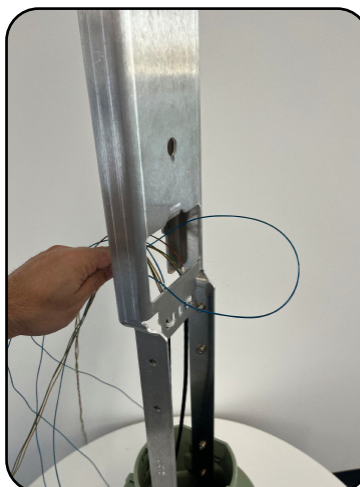
Installing the Ready Connect Terminal

1. Mid-span your cable and secure it to the tie-off bar on the back plane of the pedestal. Cables should be secured on the slack basket side, with the feed fibers on the left

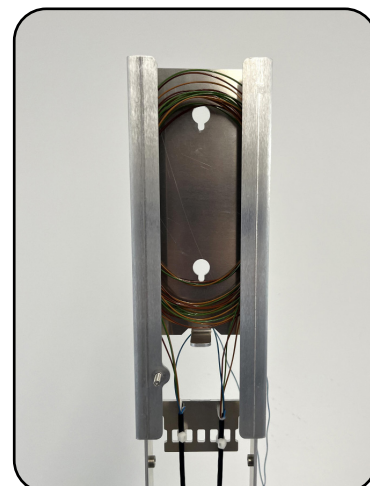
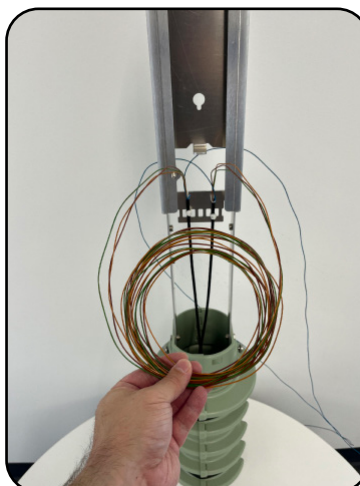
Note: Clearfield recommends mid-spanning 10-12 feet of cable. The pedestal's slack basket can hold up to a maximum of 18 feet of 48 fiber cable (four 3mm buffer tubes), or 8 feet of 96 fiber cable.



2. Feed the buffer tube(s) intended to be mid-spanned inside the RCT through the pass through hole of the ped's back plane.



3. Store the remaining unused buffer tubes in the slack storage area of the back plane.



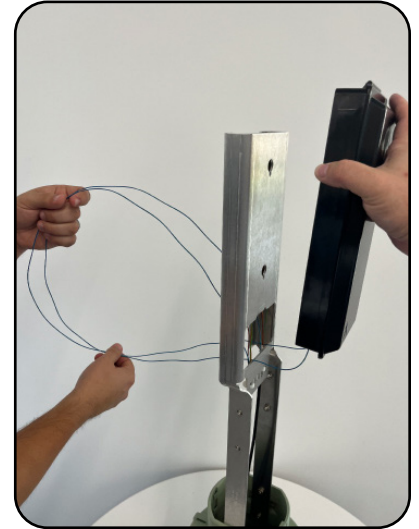
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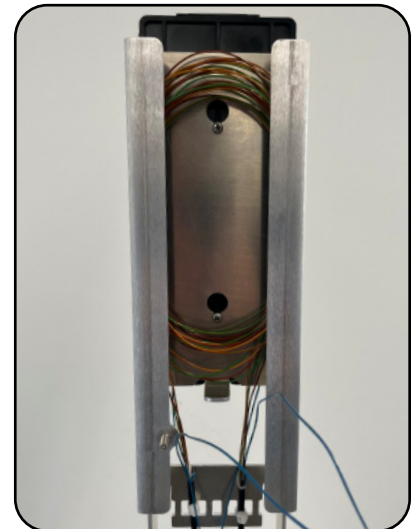


4. After splicing and closure of the RCT, feed the mid-spanned buffer tube back through the feed-through hole of the ped's back plane as you bring the RCT towards the pedestal.

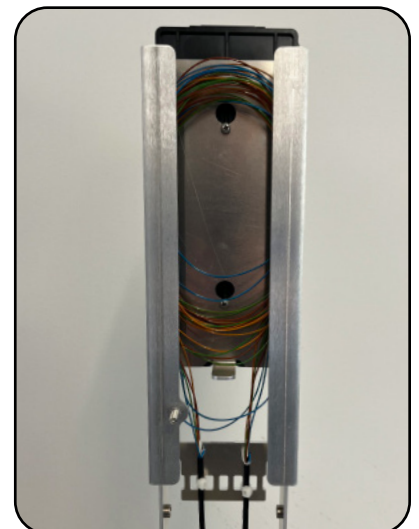
Note: As you store the remaining slack in the slack basket of the pedestal, take care not to kink any buffer tubes exiting the RCT.



5. Hang the RCT on the mounting holes of the pedestal's back plane, allowing the screws to fall into the slots. Secure in place by tightening the screws by hand.



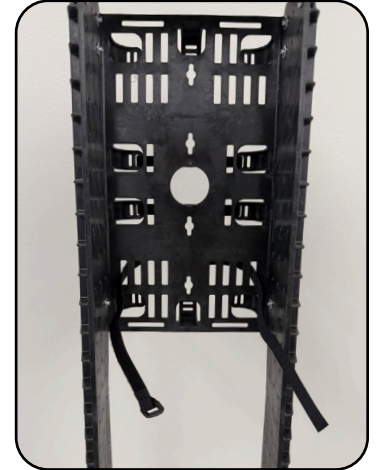
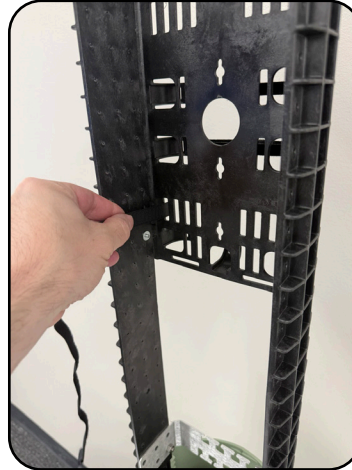
6. Store the remaining slack from the mid spanned buffer tube within the slack basket of the pedestal's back plane.



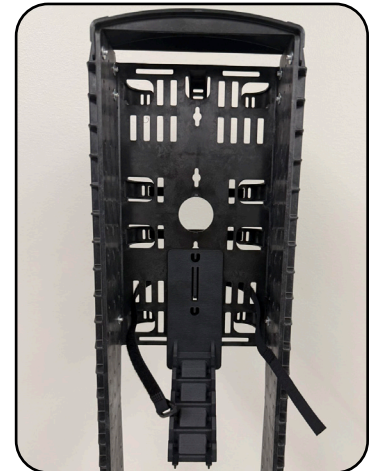
8" & 10" Pedestals

Installing CSC Splice Trays

1. Install the cinch strap, used to secure the splice trays in a vertical position, into the backplane of the pedestal.

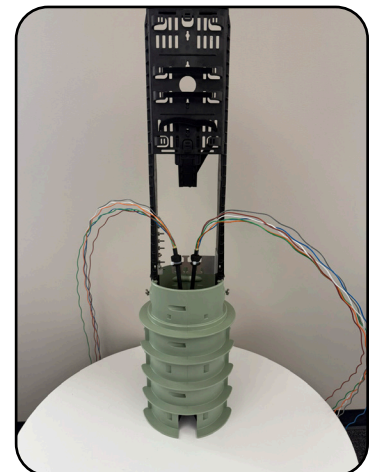


2. Install the splice tray bracket into the back plane of the pedestal. The two pegs located on the back of the bracket will slide into the lower two centrally located notched holes of the back plane. Push the bracket downwards to lock in place.



3. Secure cables as needed to the back side of the tie off bar.

Note: The 8" pedestal's slack basket on the back plane can hold up to 8ft of 192 fiber cable (3mm buffer tubes), while the 10" pedestal's slack basket can hold up to 8ft of 288 fiber cable (3mm buffer tubes).



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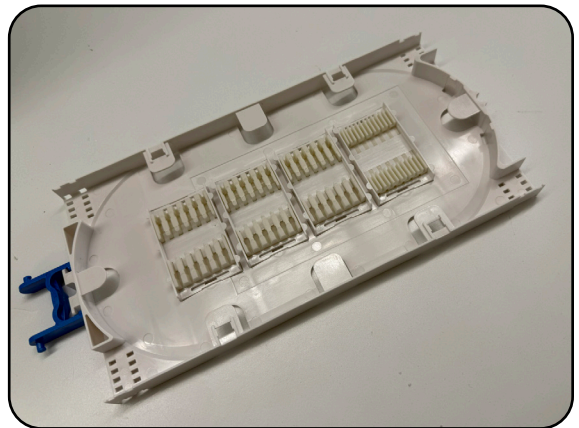
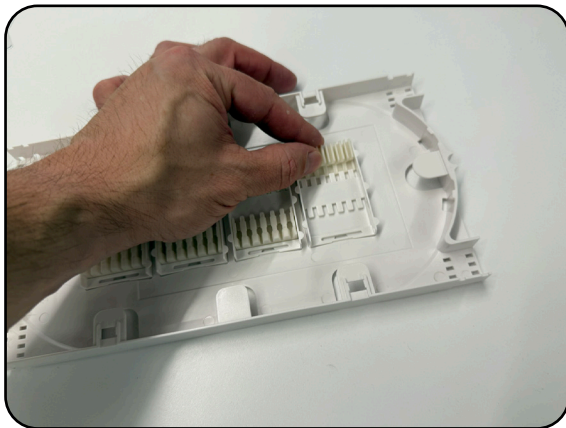
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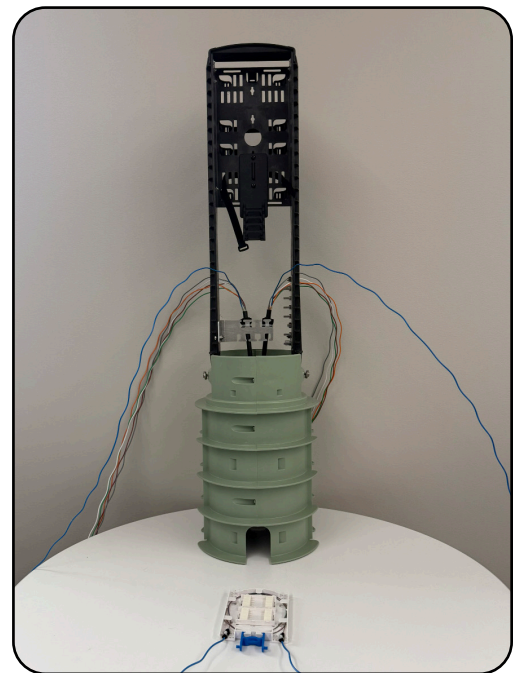
CSC Splice Trays for the 8" and 10" Pedestals are available in 4 variations. CSC 500 splice trays are the larger version, with double the capacity of the CSC 250 splice trays. Both sizes are available in short or tall variations, with the tall variation meant for mass fusion ribbon splices.

All splice trays ship with felt tape and cable ties for securing cable into the trays, a splice tray cover over the tray, and enough splice sleeve holders of the opposite type to the pre-installed splice sleeve holder (single vs mass fusion) to swap out half of the positions.

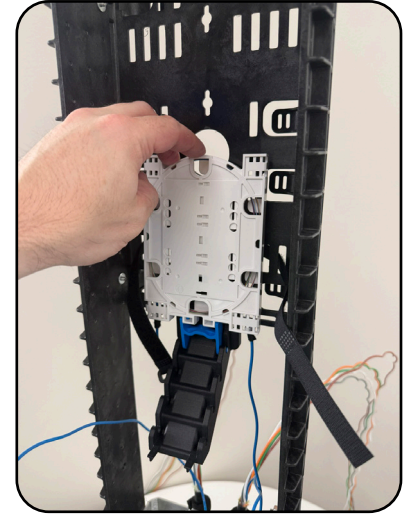
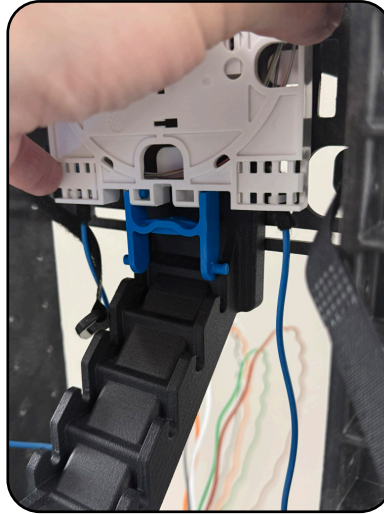
To swap out a splice sleeve holder in a CSC splice tray, simply slide out the old ones and slide the new ones into place while aligned with the grooves in the tray.



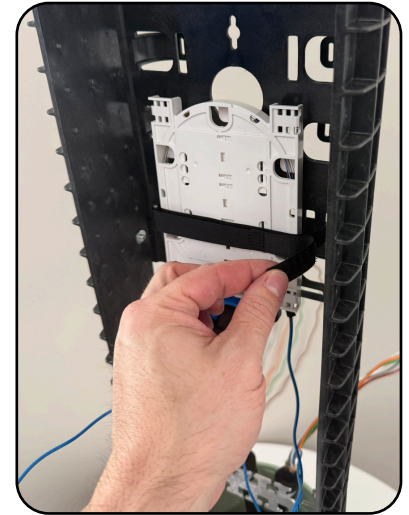
4. Pass the buffer tubes to be spliced through the hoop of the pedestal to the front side. Secure the buffer tubes into the chosen splice tray and splice per local practice.



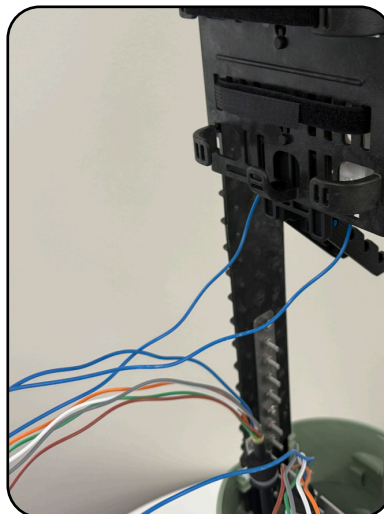
5. Install the hinge of the splice tray into the splice tray bracket, with the bottom of the tray facing out, by engaging the pins on either side of the hinge with the notches in the bracket. Press firmly to fully seat the splice tray in place in the bracket. Fill the bracket with splice trays starting from the first position, closest to the back plane.



6. Splice trays will then be able to hinge downwards, allowing access to the splices. When ready, secure the tray(s) in a vertical position using the cinch strap you previously installed in the back plane.



7. Feed the spliced buffer tubes back through the hoop of the back plane towards the slack basket side.
8. Remove the pre-installed velcro straps across the slack basket's fingers and keep to reinstall later for slack management.

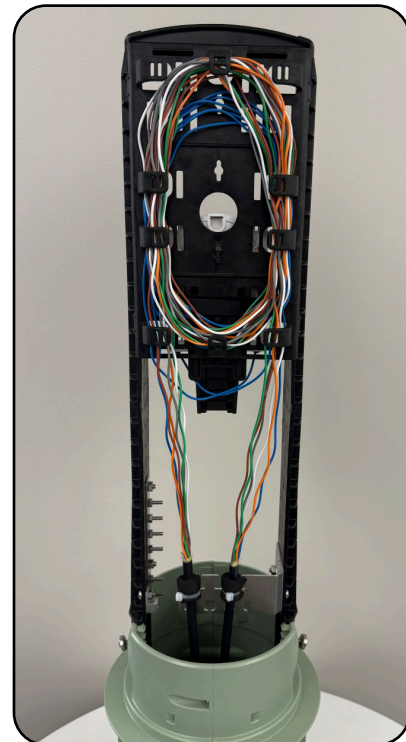
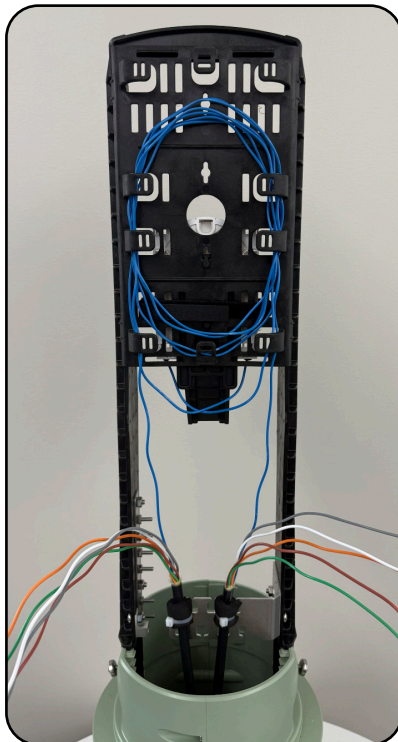


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9. Store the slack of the spliced fibers, taking care not to pull on the side of buffer tube that is wrapping under the back plane.
10. Store the slack of the remaining unused fibers in the slack basket.



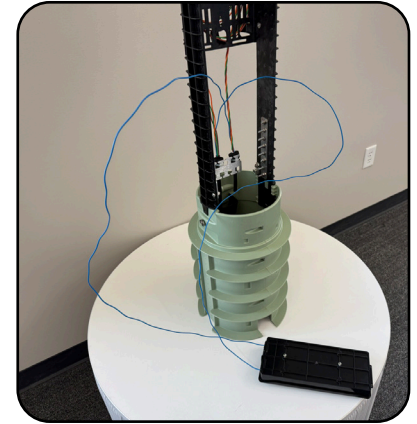
11. Reinstall the velcro straps through the fingers of the slack basket as necessary to manage slack.



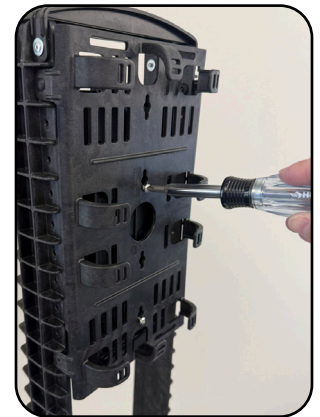
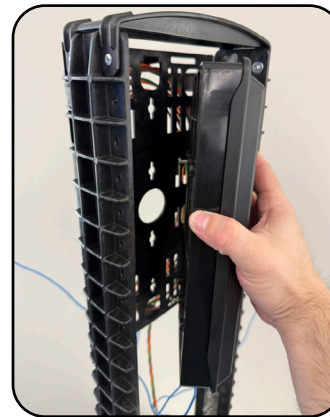
Installing the Ready Connect Terminal

1. Secure your midspanned cable to the tie-off bar at the base of the pedestal. Feed the buffer tube(s) intended to be mid-spanned inside the RCT through the hoop of the pedestal

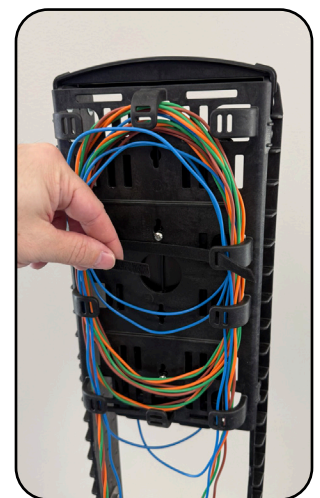
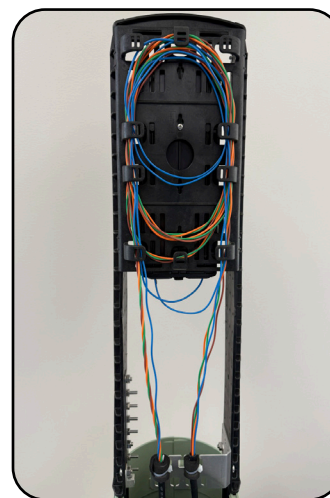
Note: Clearfield recommends mid-spanning 10-12 feet of cable. The 8" and 10" pedestal's slack baskets can hold up to a maximum of 30 feet of 48 fiber cable (four 3mm buffer tubes), or 16 feet of 96 fiber cable.



2. After splicing in the RCT, install the RCT into the back plane of the pedestal. The two screws located on the back of the RCT will go through two of the centrally located notched holes in the back plane.
3. Allow the screws to fall into the notches and secure the RCT in place by hand-tightening the screws.



4. Pass the slack of the mid spanned buffer tube back through the hoop of the pedestal and store the slack in the slack basket.
5. Store the remaining unused fiber slack in the slack basket.
6. Reinstall the velcro straps through the fingers of the slack basket as necessary for slack management



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Standard Warranty

Clearfield warrants to the original purchaser of the Product sold hereunder is free from defects in material and workmanship under normal use and service, subject to exceptions stated herein. Product purchased is warranted as follows: Clearfield designed and branded Products are warranted for three (3) years; Products manufactured by Clearfield to customer prints and/or specifications are warranted for one (1) year; and any Product Clearfield acquires from or through a third-party manufacturer or distributor and resells to Customer as the original customer will carry the manufacturer's pass-through warranty, if any. In all cases, the warranty period commences on the date of shipment to the original purchaser.

Warranty Claim Procedure

If any Product purchased from Clearfield is found defective under the above warranty, the following basic procedure must be followed:

1. Customer must contact Clearfield and obtain a Return Materials Authorization
2. Following authorization, the Customer ships the product-freight collect to Clearfield's manufacturing facility
3. Clearfield shall repair or replace the defective Product at its sole option and discretion, and return the repaired or replacement Product to Customer's site, freight prepaid

Note: If the Product is not found to be defective by Clearfield, the product will be returned to the Customer and the customer billed for freight in both directions.

View our warranty policy here: <https://www.seeclearfield.com/warranty.html>

Limitations of Warranty

Correction of defects by repair or replacement, at the option of Clearfield Inc, shall constitute the exclusive sole remedy for a breach of this limited warranty. Clearfield shall not be liable under any circumstances for any special, consequential, incidental, punitive, or exemplary damages arising out of or in any way connected with the product or with agreement to sell product to buyer, including, but not limited to damages for lost profits, loss of use, or for any damages or sums paid by buyer to third parties. The foregoing limitation of liability shall apply whether the claim is based upon principles of contract, warranty, negligence or other tort, breach of statutory duty, principles of indemnity or contribution, the failure of any limited or exclusive remedy to achieve its essential purpose, or otherwise.

Clearfield will not be responsible for any labor or materials costs associated with installation or incorporation of Clearfield products at customer sites, including any costs of alteration, replacement or defective product, or any field repairs.

Other Limitations

Clearfield assumes no warranty liability regarding defects caused by:

1. Customer's modification of Product, excepting installation activities described in Clearfield documentation
2. Customer re-packaging of Product for shipment to third parties or destinations other than those originally shipped to by Clearfield, or any defects suffered during shipping where the Product has been re-packaged
3. Customer's installation or maintenance, excepting activities described in and performed in accordance with Clearfield documentation
4. Customer's improper or negligent use or application of Product
5. Other causes external to the Product, including but not limited to accidents, catastrophe, acts of God, government action, war, riot, strikes, civil commotion, sovereign conduct, or the acts or conduct of any person or persons not party to or associated with Clearfield
6. Environmental factors and weathering resulting in aging and damage not necessary or applicable to the function of the product



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Proprietary Notice

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Its purpose is to provide the user with adequately detailed documentation to efficiently install the equipment supplied. Every effort has been made to keep the information contained in this document current and accurate as of the date of publication or revision.

However, no guarantee is given or implied that the document is error free or that it is accurate with regard to any specification.

Technical Support

Clearfield, Inc. can be contacted for any issues that arise with the supplied product.

If you need to return the supplied product, you must contact the Clearfield, Inc. Customer Service Department to request a Returned Materials Authorization (RMA) number.

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