



Split-Cable Wiring Kit for FastFocus

Step-by-Step Instructions for Installing the Wiring Kit for your FastFocus.

The FastFocus Split-Cable wiring kit produces a uniform diffraction pattern for users of Optec's FastFocus SMFS. It is straightforward to install and remove, and is available in two versions designed specifically for either the Celestron C-11 or C-14 telescope optical tube assemblies (OTA).

#19721 – Split-wiring kit for C11 OTA

#19724 – Split wiring kit for C14 OTA

The Split-Cable wiring kit should be fitted to the telescope OTA after first installing the FastFocus SMFS motor assembly.



Wiring Kit for FastFocus Package Contents

Confirm the contents of your Wiring Kit for FastFocus SMFS package. The package should contain the following:

- Split-Ethernet cable
- Velcro Dual-sided Wrap
- Four (4) Velcro wire tack pads
- Velcro hook cover strip
- Spider Wire Holder



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#19721, #19724 - Split-Cable Wiring Kit for FastFocus



Installation Procedure: Step-by-Step

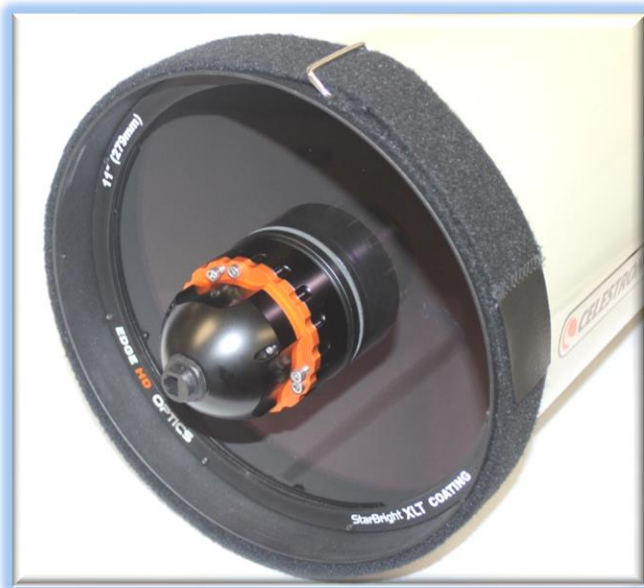
Note: Be sure your FastFocus SMFS is installed before proceeding with the wiring kit.

Step 1 – Wrap OTA with Velcro Dual-sided Wrap

Wrap the Velcro dual-sided wrap around the end of the telescope OTA. Be sure to wrap the OTA with the plush side facing out. This layer will form the base for which the wires will be attached and then covered with the hooked side of the mating Velcro cover strap.

For use without a dew shield you may wrap at the end of the OTA (left image below).

For use with a dew shield wrap around tube and in between mounting dovetail (right image).



Install this bottom strap tightly around the OTA to provide a secure base for attaching the split-wire cable. Ensuring this base is tight will keep your wires taut.



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Step 2 – Install Spider Wire Holder

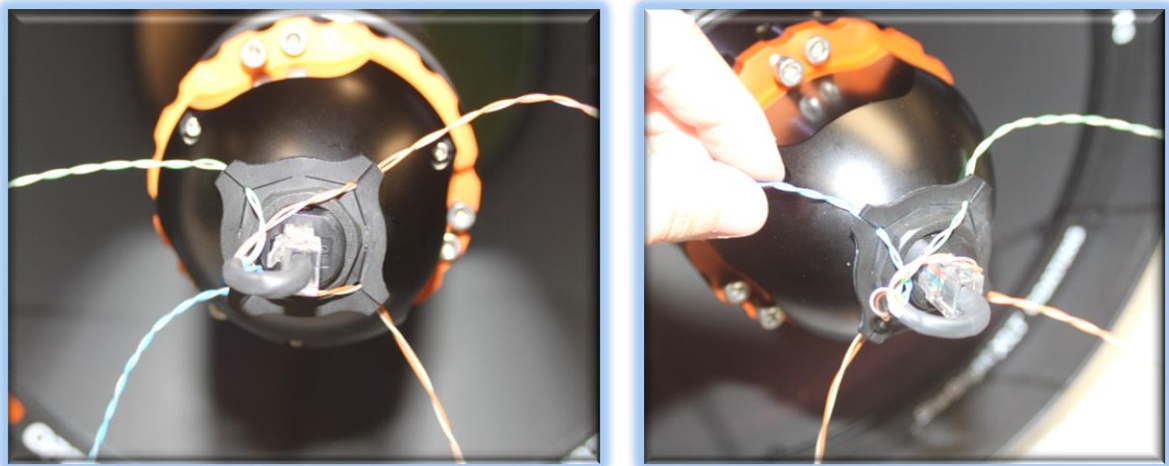
Carefully remove the black nut of the end of the FastFocus. Place the Spider Wire Holder on in the orientation you would like the wires and screw back on the black nut to a snug fit.



(Recommended as shown)

Step 3- Plug Cable into FastFocus

Plug the 8P8C plug into the Fast Focus socket. The four different pairs of wires are cut to different lengths to fit around the diameter of the OTA. Insert the brown wire pair in one of the bottom clips of the Spider Wire Holder and continue clockwise with the Blue, Green, and Orange wires respectively.



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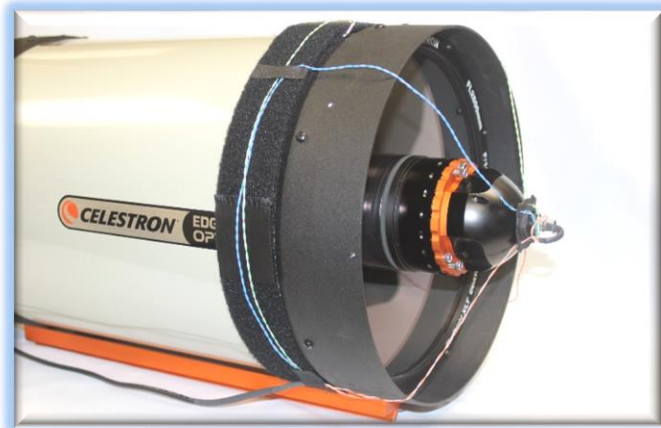
Step 4 – Secure Wire Pairs

Run each of the four colored wire pairs along the circumference of the OTA on the outside of the Velcro cinch strap and place the four Velcro wire tack pads on top to hold the wires in place 90° apart from each other. The Brown wire goes straight inwards towards the FastFocus, the Blue and Orange wires run 90° around the circumference then inwards, and the Green wire runs 180° around the circumference and then inwards.



Smooth all four wire pairs against the base strap to prepare for the hooked cover strap.

Cut additional tack strips from the cover strap if additional support is required.



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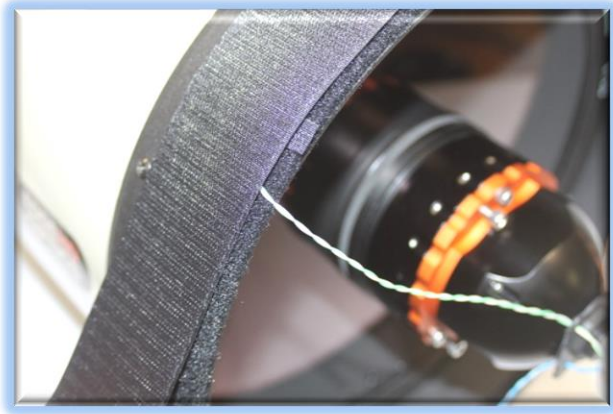
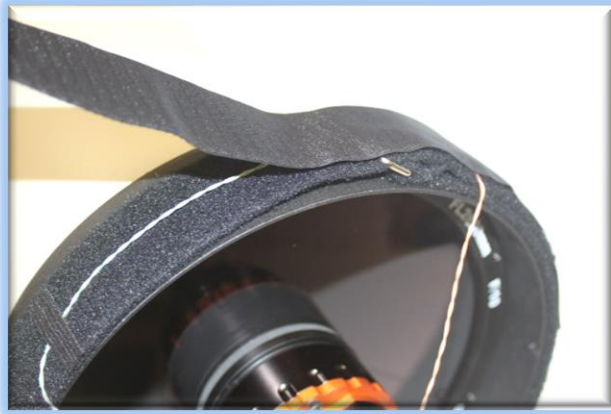


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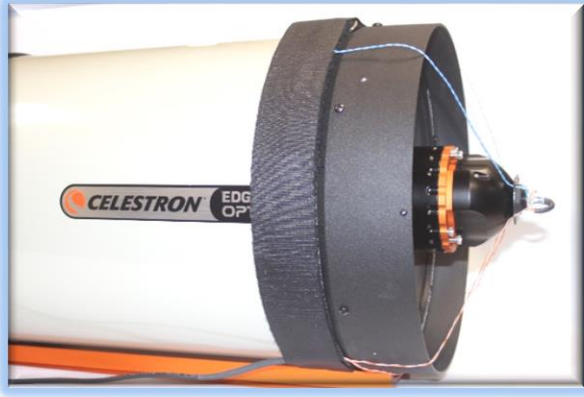
Step 5

Wrap the Velcro hooked cover strip around the circumference of the OTA over the wires adhering it to the Velcro base strap. You will mount these with the hooked side down.



Step 6

You can then run the solid cable back to the FocusLynx control box and power up your FastFocus SMFS, your Wiring Kit installation is complete.



If you wish to fabricate your own split-wire kit from a standard Ethernet cable, contact [Optec Support](#) for a pdf showing the wiring layout lengths to fit either the Celestron EdgeHD C11 or C14 OTA.



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Video Channel

Optec is developing videos for installation and configuration of our many products for various software packages. Visit our Rumble video channel by searching “Optec” or clicking the link below.



<https://www.optecinc.com/video>

Optec User Group

The Optec User Group is now located at Groups.io which provides a forum to communicate with other users of Optec instruments. Other end-users can often provide answers to specific configuration questions and Optec staff routinely follow and answer many questions as well. Click the banner below to subscribe.

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Optec, Inc. User Group Optec@groups.io

The OPTEC user group exists to promote the proper usage of all of Optec's astronomy and telescope related products.

Group Information

www.optecinc.com

736 Members

748 Topics, Last Post: Jan 6

Started on 10/01/02

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Or visit the Groups.io Optec User Group here: <https://groups.io/g/Optec>.



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