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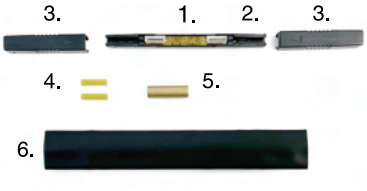
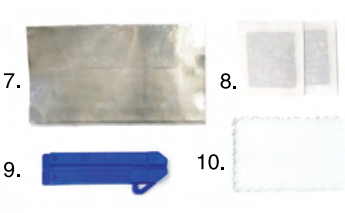
Mechanical Splicer Protector
for Outdoor Application

MSP-O

I. Preparation

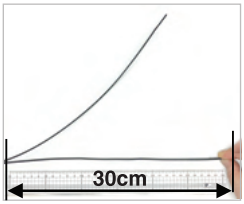




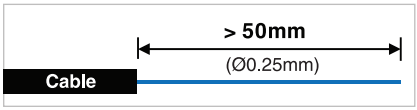
1. Mechanical Splice
2. MSP Body
3. MSP Splicing Applicator
4. Cable Holder for 2mm Cable
5. Strength Member Holder
6. Heat Shrink Tube
7. Heat Shield Tape
8. Sealing Tapes
9. Jig
10. Cleaning Cloth

1. Prepare Mechanical Splice Protector and installation accessories.

II. Cable Preparation (2x3mm Flat Cable)

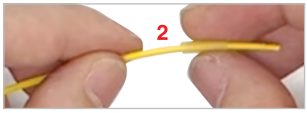


2A. Prepare a cable. Separate strength member from the cable about 30cm. Insert heat shrink tube and MSP splicing applicator through the cable in order. **Attention: Do not insert the tube through the separated strength member.**

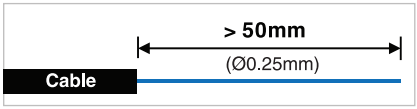


3A. Remove more than 50mm of 2x3mm flat cable jacket.

II. Cable Preparation (Ø2mm Cable)



2B. Insert cable holder for 2mm cable and MSP splicing applicator through the cable in order.



3B. Remove more than 50mm of 2mm cable jacket. Cut aramid yarn. Remove outer coating(Ø0.9mm).

 All components are compliant with EU RoHS Directive (2011/65/EU amended by 2015/863). P16-MP-ME20 09 - 03 - 2023

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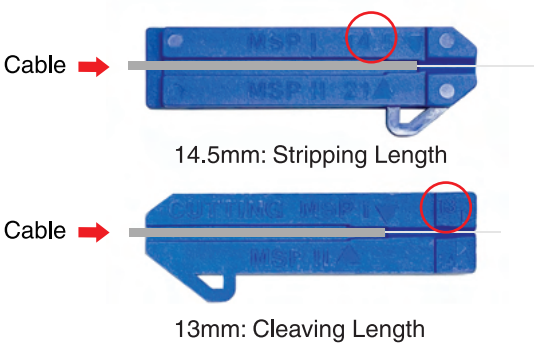
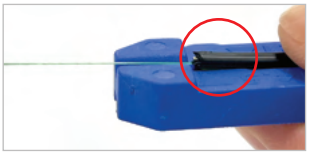
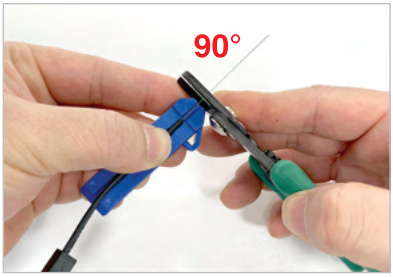
Jig

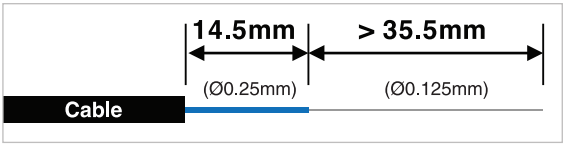


Attention!
Please be aware of using the supplied jig to strip the fiber coating(Ø0.25mm) and cut the fiber(Ø0.125mm).

Place the narrower side(2mm) of the cable facing upwards in the jig.

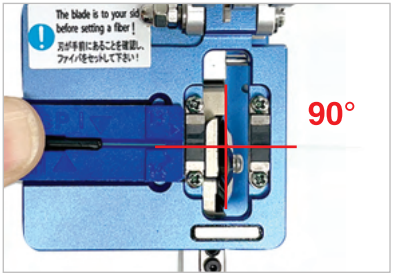


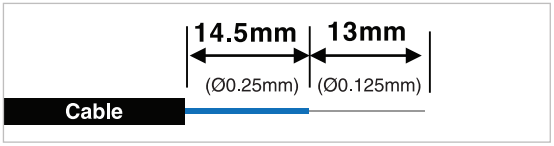




4. Strip fiber coating(Ø0.25mm) using the supplied jig. Clean bare fiber with alcohol.

Attention: The jig and the cable should be perpendicular to the stripper.





5. Prepare a cleaver and cut fiber(Ø0.125mm), leaving 13mm.

Attention: The jig and the cable should be perpendicular to the blade.

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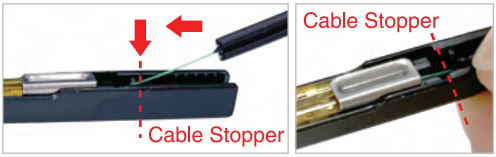
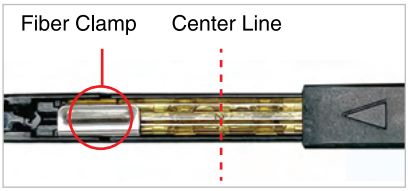
III. Mechanical Splicing (2x3mm Flat Cable)



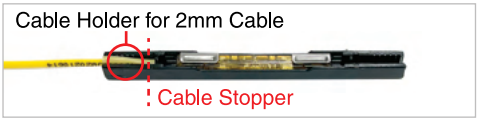
6A. Insert the fiber to the mechanical splice in the MSP body. Align the end of the cable jacket to the cable stopper. Place the cable down to be seated against the cable stopper in MSP body.



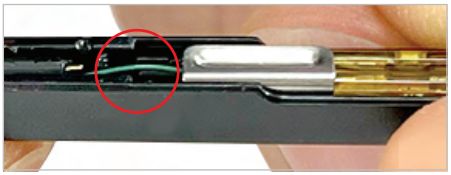
7. Slide and place the splicing applicator over the fiber clamp of the mechanical splice.
Do not slide the applicator till the center.
Verify that the fiber clamp is fully covered.

9. Slide and place the splicing applicator over the fiber clamp of the mechanical splice.
Do not slide the applicator till the center.
Verify that the fiber clamp is fully covered.

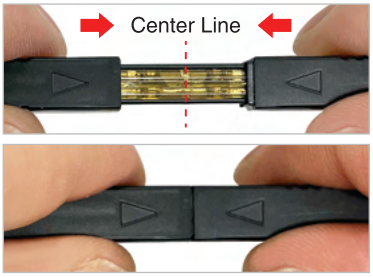
III. Mechanical Splicing (Ø2mm Cable)



6B. Insert the fiber to the mechanical splice. Align the end of the 2mm cable jacket and the holder to the cable stopper. Place the cable with the cable holder down to be seated against the cable stopper in MSP body.



8. Follow the **Cable Preparation** process for the other side. Insert the fiber to the mechanical splice. Verify that the fiber bends.
Please make sure that the microbending remains and does not go over the the MSP body.



10. Slide both of the splicing applicators to the center. Splicing applicators push fiber clamps of the mechanical splice and secure the spliced fibers inside.

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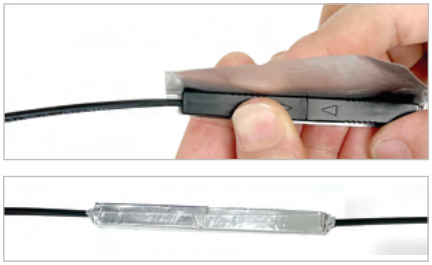
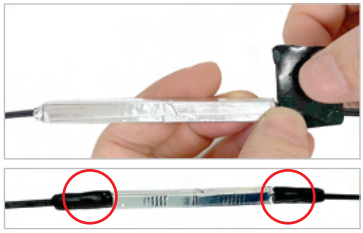
IV. Heat Shrink Tube Application



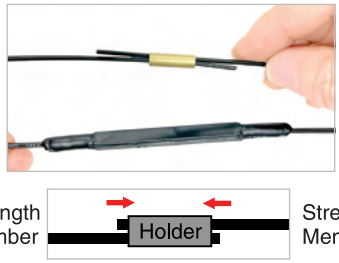
11. Wrap heat shield tape around the MSP. Verify that the MSP is fully covered.



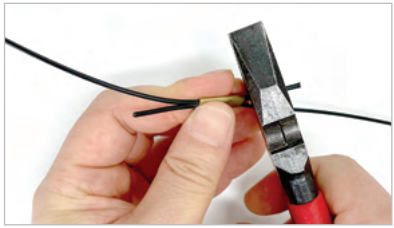
12. Wrap sealing tapes around the cable adjacent to the MSP. Do not leave space between the MSP and the tapes.

Please make sure the tapes completely covers the cable to protect it from heat.

13. Place the heat shrink tube over the MSP. Apply heat evenly from the center to each end. Verify that no air remains inside the tube.



14. Insert the each strength member to the provided strength member holder from the opposite direction.



15. Clamp the strength member holder to retain the two strength members. Trim the strength members off.

16. Confirm the MSP and both ends of the MSP are completely sealed with sealing tapes and heat shrink tube. Complete the installation.