

# 3M™ Fibrlok™ II Universal Optical Fiber Splice 2529

## Applications

- Single mode and multimode fibers
- Both construction and maintenance
- Aerial, buried, underground, pedestal
- Inside or outside buildings
- FTTx, Metro and Enterprise networks
- Up to 10 Gigabit data rates
- High density substitute for connectors

Features	Benefits
< 0.1 dB typical insertion loss	High performance
30 second installation time	Increased productivity
Minimum tooling requirements	Low capital cost
No epoxy or electricity required	Easy on-site installation
Simple, easy to use	Minimal training, lower installed cost
Ability to reposition fibers	Improved splicing yield
Single splice for any combination 250 µm or 900 µm fibers	Reduced inventory

Specifications	
<b>Fiber diameter</b>	125 µm
<b>Coating diameter</b>	250 or 900 µm
<b>Mean insertion loss</b>	<0.1 dB
<b>Reflectance</b>	<-35 dB from -40° to 80° C (-40° to 176° F) <-60 dB typical at room temperature
<b>Tensile strength</b>	4.4N (1.0 lb.) minimum; 13.2N (>3.0 lbs.) typical
<b>Material</b>	Engineering thermoplastic with aluminum alloy element; UL 94, V-0 rating
<b>Operating temperature</b>	-40° to 80° C (-40° to 176° F)
<b>Thermal cycling</b>	Change in insertion loss <0.5 dB, -40° to 80° C (-40° to 176° F)
<b>Fungus resistance</b>	ASTM G-21-70; rating 0
<b>Vibration</b>	IEC 61300-2-1 (EIA standard FOTP-11; test condition 1)
<b>Water immersion</b>	Seven days @ 43° C; change in insertion loss ≤0.05 dB; 21,000 hours with <0.2 dB change
<b>Extended high humidity</b>	8,812 hours @ 85° C, 85% humidity with <0.2 dB change

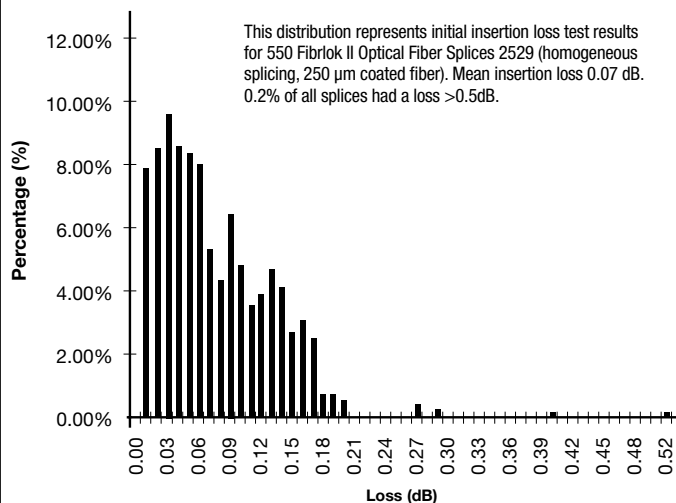


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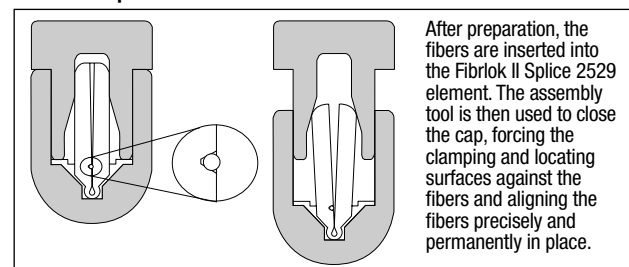


3M™ Fibrlok™ Splice Kit with Cleaver 2559-C

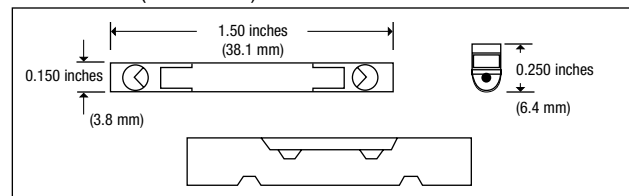
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## Cross-sectional view of open and actuated Fibrlok II Splice 2529



## Dimensions (actual size)



## Ordering Information

To order, specify the correct product number from the chart below. For more information on the complete line of Fibrlok™ Splicing products, contact your 3M sales representative.

Product Number	Product Description	3M ID	UPC	Packaging
2529	Fibrlok™ II Universal Optical Fiber Splice (250 x 900)	80-6107-5589-6	0-00-54007-92202-5	6/pkg 10 pkg/case
2529-K	Fibrlok™ II Universal Optical Fiber Splice Kit (250 x 900)	80-6107-5830-4	0-00-54007-92415-9	1 kit/case
2559	Fibrlok™ Splice Kit	80-6113-2375-1	0-00-51115-29999-5	1 kit/case
2559-C	Fibrlok™ Splice Kit with Cleaver	80-6113-2376-9	0-00-51115-30000-4	1 kit/case
2501	Fibrlok™ Assembly Tool	80-6105-8187-0	0-00-54007-57125-4	1/case
2506	Fibrlok™ II Cap-lifter Tool	80-6107-4784-4	0-00-54007-91619-2	25/pkg
2521-FL	Fibrlok™ Splice Inserts	80-6108-5926-8	0-00-51138-36413-7	2/pkg 12 pkg/case
2521-FL-A	Fibrlok™ Splice Inserts with adhesive back	80-6113-2604-4	0-00-51115-26046-9	24/case
2522	Fiber Splice Organizer Tray - Small	80-6108-5990-4	0-00-51138-36522-6	2/case
2523	Fiber Splice Organizer Tray - Large	80-6108-5991-2	0-00-51138-36523-3	2/case
2524	Fiber Splice Organizer Tray	80-6106-1688-2	0-00-51138-11514-2	3/case
2527	Fiber Splice Organizer Tray	80-6111-7558-1	0-00-51138-89008-7	2/case
2534	Fiber Cleaver	80-6113-2377-7	0-00-51115-30001-1	1/case

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