

Communication Markets Division

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

## Singlemode and Multimode 250 μm/900 μm

The 3M™ Fibrlok™ II Universal Optical Fiber Splice 2529 is designed to easily splice any combination of 250 or 900 μm coated fibers with inexpensive tooling and no electrical power.

Fibrlok single fiber optical splices utilize a metallic splicing element held inside a molded plastic body and cap to provide a fast, permanent splice. Index matching gel at the fiber splice interface helps enable a low loss splice that maintains transmission quality over the life of the network. Assembly of the inexpensive Fibrlok splice requires only removal of the fiber coating, cleaning and cleaving of the fiber.



Features	Benefits
< 0.1 dB typical insertion loss	High performance
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

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

Insertion Loss (dB) typical	< 0.1
Reflectance (dB) typical at room temp	< -55
Reflectance (dB) over operating temperature range	< -35
Operating temperature range (°C)	-40°C to 75°C
Storage temperature (°C)	-40°C to 75°C
Field termination kit	2529-K 2559-C (with cleaver)



3M™ Easy Cleaver is conveniently included in select packages of 3M™ Fibrlok™ II Universal Optical Fiber Splice 2529



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

## Ordering Information

Product Number	Product Description	3M ID	Min. Order
2529	Fibrlok™ II Universal Optical Fiber Splice (250 × 900)	80-6107-5589-6	60
2529-K	Fibrlok™ II Universal Optical Fiber Splice Kit (250 × 900)	80-6107-5830-4	1
2529-B	Fibrlok™ II Bulk Universal Splice	80-6111-59122	1 Box (1,000 pcs)
2559	Fibrlok™ Splice Kit	80-6113-2375-1	1
2559-C	Fibrlok™ Splice Kit with Cleaver	80-6113-2376-9	1
2501	Fibrlok™ Assembly Tool	80-6105-8187-0	1
2506	Fibrlok™ II Cap-lifter Tool	80-6107-4784-4	25
2521-FL	Fibrlok™ Splice Inserts	80-6108-5926-8	12
2521-FL-A	Fibrlok™ Splice Inserts with adhesive back	80-6113-2604-4	24
2522	Fiber Splice Organizer Tray - Small	80-6108-5990-4	2
2523	Fiber Splice Organizer Tray - Large	80-6108-5991-2	2
2524	Fiber Splice Organizer Tray	80-6106-1688-2	3
2527	Fiber Splice Organizer Tray	80-6111-7558-1	2
2534	Fiber Cleaver	80-6113-2377-7	1
<b>Splices with 3M™ Easy Cleaver</b>			
2529/C_60	3M™ Fibrlok™ II Universal Optical Fiber Splice for 250/900 µm fiber with 3M Easy Cleaver	80-6114-9439-6	60

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