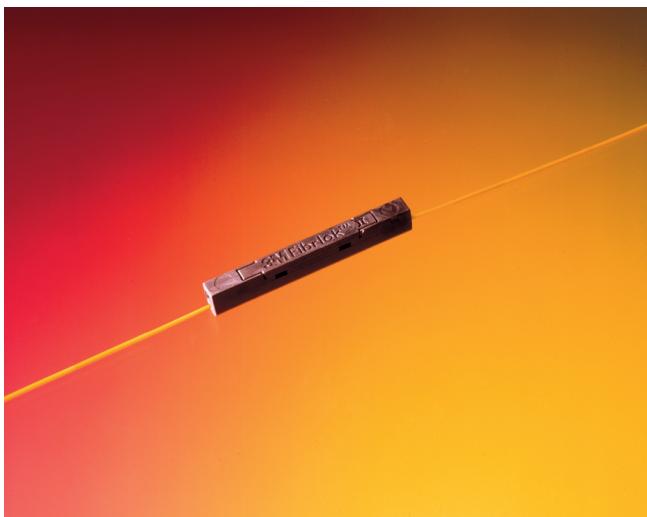




# 3M™ Fibrlok™ II Universal Optical Fibre Splice 2529



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## The right splice for today's applications

The 3M™ Fibrlok™ II Optical Fibre Splice 2529 has a proven record of consistent performance that makes it the right choice for FTTX metro and enterprise network applications ranging from one gigabit to 10 gigabit data rates. The simplicity of the splice tool is the reason that the Fibrlok is so relevant to today's need for low cost rugged splicing equipment at multiple locations. The simple process minimizes the need for training and highly skilled technicians. The ability to reposition the fibres within the splice provides a high yield. All these features add up to faster installations and increased productivity in both restoration and construction applications.

Since the Fibrlok was released in 1988, 10 millions of Fibrlok splices have been installed around the world in many different types of applications, both indoor and outdoor. A global list of customer approvals for both restoration and construction is available upon request from your local representative. The Fibrlok II Splice 2529 uses a metallic splicing element held inside a molded plastic body and cap that is designed for splicing any combination of 250 to 900 µm coated fibres. The Fibrlok splice can be used with either single-mode or multimode fibres with a nominal glass cladding of 125 µm and the splice insertion loss averages less than 0.1 dB. Fibre retention is greater than one pound. The splice provides stable performance from -40° to 80° C.

The Fibrlok II Universal Optical Fibre Splice 2529 can be used with either single-mode or multimode fibres with a (nominal) glass cladding diameter of 125 µm.

The 3M Fibrlok splice can be used in aerial, buried, underground, pedestal applications, inside or outside buildings, or as a high-density substitute for Fibre optic connectors in FTTH (Fibre-to-the-Home).

## Features

- Universal Splice for Single and Multimode fibres
- Installation time less than 30 seconds
- For all 250 µm and 900 µm coated fibres
- Identical strip lengths for all coatings
- Repositioning of the two fibres possible
- Extended live cycle (> 30 years)
- Complies to international standards

## Benefits

- For all fibre connections (125 µm)
- Quick and cost effective
- Universal applications
- Installer friendly
- Optimized insertion loss
- Reliable
- Saves investment

# Specifications

## Technical

Fibre diameter:	125 µm
Coating diameter:	250 to 900 µm
Shelf life:	> 30 years
Installation time:	< 30 seconds after fibre preparation
Mean insertion loss:	< 0,1 dB
Reflectance:	> 35 dB from -40°C to +80°C > 60 dB typical at room temperature
Tensile strength:	> 4,5 N, typical 13 N
Material:	Engineering thermoplastic with aluminum alloy element; UL 94, V-O rating

## Environmental

Operating temperature:	-40°C to +80°C
Thermal cycling:	Change in insertion loss <0.5 dB, -40° to 80° C
Fungus resistance:	ASTM G-21-70; rating 0
Vibration	EIA standard FOTP-11, test condition 1
Water immersion:	7 Days @ 43° C; change in insertion loss 0.05 dB

## Ordering information

## Ref.-No.

**3M™ Fibrlok™ Universal Splice**

PU: 60 pcs.

**2529****3M™ Fibrlok™ Universal Spliceholder**for 6 separate Fibrlok 2529  
within the DIN Splicetray

PU: 20 pcs.

**2599-H****Fibre Splice Preparation**includes 2501 Assembly Tool and  
Thomas & Betts Cleaving Tool

PU: 1 pc

**2530****Fibre Splice Preparation**includes 2501 Assembly Tool,  
without Cleaving Tool

VPU: 1 pc

**2531****DIN Universal Splice Tray**

PU: 10 pcs.

**29026-500 31****3M™ Fibrlok™ II Cap Lifter**

PU: 5 pcs.

**2506**

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