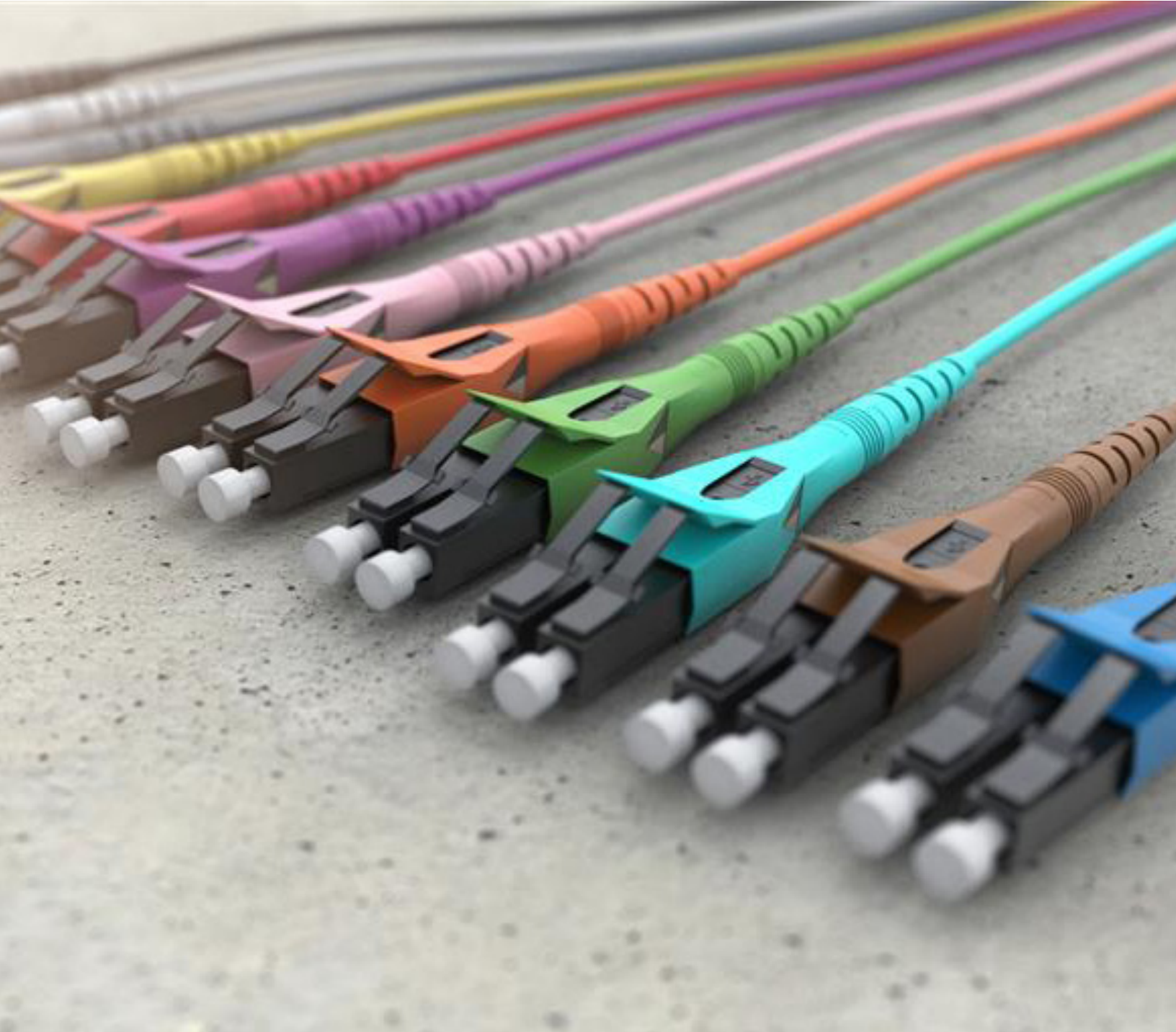


CORNING



# Fiber Repair Kits

# Introduction

This document serves as a general guide to the various repair kits offered by Corning. It covers repair kits designed for both 200  $\mu\text{m}$  and 250  $\mu\text{m}$  fibers; please refer to the itemized headings to distinguish between the two. 200  $\mu\text{m}$  fibers require different handlers, V-grooves, and fiber preparation methods than 250  $\mu\text{m}$  fibers. This guide includes images, brief descriptions, and helpful links to assist in understanding when and how to use each repair kit.

## Content

Fast-Track ERC Repair Kit: EDGE-RC-OS2-24F-FTMTP-RK .....	3
24F MTP Repair Kit SM Pinned (Yellow): FB-RK-124EESD .....	4
24F MTP Repair Kit SM Non-pinned (Black): FB-RK-124E001 .....	5
24F MMC Repair Kit (200 $\mu\text{m}$ ): FB-RK-24MCFMCM .....	6
(250 $\mu\text{m}$ ) 16F MMC Repair Kit Non-pinned: RK-16MCF .....	7
(250 $\mu\text{m}$ ) 16F MMC Repair Kit Pinned: RK-16MCM .....	8
(200 $\mu\text{m}$ ) 16F MMC Repair Kit Non-pinned: RK-16MCF-200 .....	9
(200 $\mu\text{m}$ ) 16F MMC Repair Kit Pinned: RK-16MCM-200 .....	10
SunCal LC Duplex Repair Kit : FB-RK-LCSUN .....	11
LC Repair Kit Uniboot: FB-RK-SMULCUEDS .....	12
SM 2F 2.00 MM LC Uniboot 1 Meter Repair Kit (Black H/S) (FB-RK-SMULCU001) .....	13
Additional Repair Kits .....	14



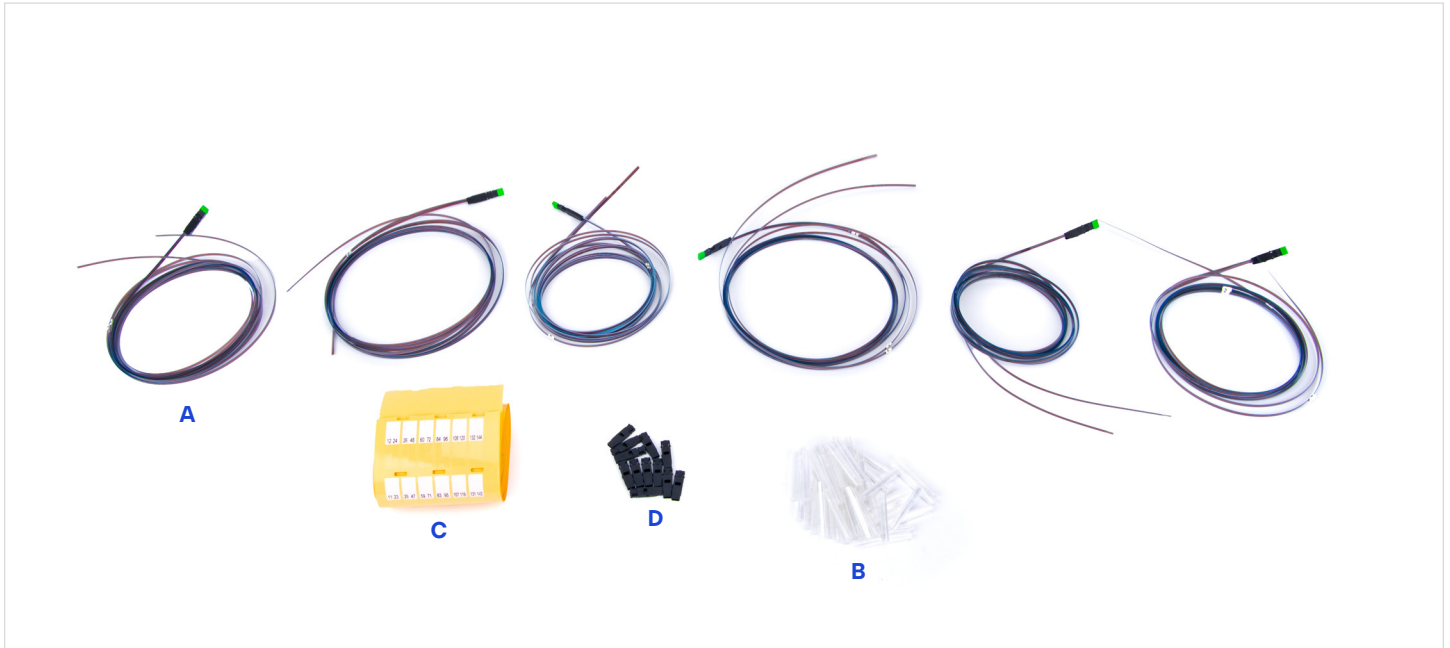
**Check out our official Youtube page for more repair videos!**

**Reach out to your local Implementation engineer for more resources**



# Fast-Track ERC Repair Kit

EDGE-RC-OS2-24F-FTMTP-RK



Items Found in Kit		Items Needed for Repair	Cleaning Items
<b>A</b>	24-Fiber MTP® Ribbon Pigtail Assemblies (Quantity: 6)	PPE	Lint Free Wipes
<b>B</b>	40 mm Mass Fusion Splice Protectors (Quantity: 25)	MTP Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b>	Ribbon Labels	Splicer Kit	MTP Cleaner One Click
<b>D</b>	Strain-Relief Boots (Quantity: 12)	Ribbon Handlers (Quantity: 2)	OptiPOP® MTP Cleaning Cassette
		Snips	
		Black Marker	

## When is the repair kit used?

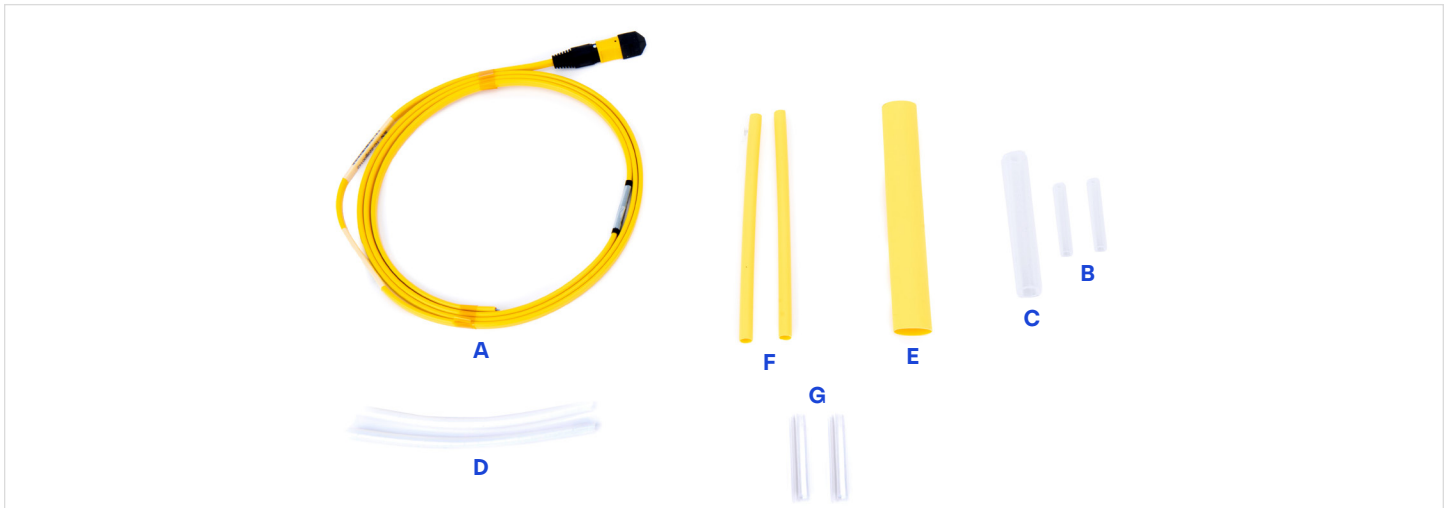
- When there is physical damage to a Fast Track ribbon and/or connector
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing.

## Helpful Links:

- [Repairing Fast-Track MTP® Connectors](#)
- [Repair Procedure for the Fast-Track MTP](#)
- [Routing EDGE™ Rapid Connect Trunks in the Enclosure](#)

# 24F MTP® Repair Kit SM Pinned (250 μm, Yellow)

FB-RK-124EESD



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 24F SM MTP® Pigtail	PPE	Lint-Free Wipes
<b>B</b> 1-in Clear Teflon Tube (Quantity: 2)	MTP Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b> 3-in Clear Teflon Tube	Mini-Coaxial Tool	MTP Cleaner One Click
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	12F Ribbonizer	Cleaning Cassette (Optional)
<b>E</b> 3/4-in Diameter Shrink Tubing	Instant Adhesive	
<b>F</b> 1/4-in Diameter Shrink Tubing (Quantity: 2)	MTP Housing Installation Guide	
<b>G</b> Ribbon Splice Sleeve (Quantity: 2)	Splicer Kit	
	Heat Gun	
	Jacket Stripping Tool	
	Electrical Tape	
	Snips	

## When is the repair kit used?

- If the damaged leg is a 24F MTP and has a pinned connector
  - If there is high loss at the connection in question
  - When there is physical damage or a severe bend to the leg of the cable
  - When there is physical damage to a connector/end face
- Note: Check for damages on the cable behind the connector and inside the housing.

## Helpful Links:

[Routing EDGE™ Rapid Connect Trunks in the Enclosure](#)  
[24F SOC Field Repair](#)

# 24F MTP® Repair Kit SM Non-pinned (250 μm, Black)

FB-RK-124E001



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 24F SM MTP® Pigtail	PPE	Lint-Free Wipes
<b>B</b> 1-in Clear Teflon Tube (Quantity: 2)	MTP Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b> 3-in Clear Teflon Tube	Mini-Coaxial Tool	MTP Cleaner One Click
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	12F Ribbonizer	Cleaning Cassette (Optional)
<b>E</b> 3/4-in Diameter Shrink Tubing	Instant Adhesive	
<b>F</b> 1/4-in Diameter Shrink Tubing (Quantity: 2)	MTP Housing Installation Guide	
<b>G</b> Ribbon Splice Sleeve (Quantity: 2)	Splicer Kit	
	Heat Gun	
	Jacket Stripping Tool	
	Electrical Tape	
	Snips	

## When is the repair kit used?

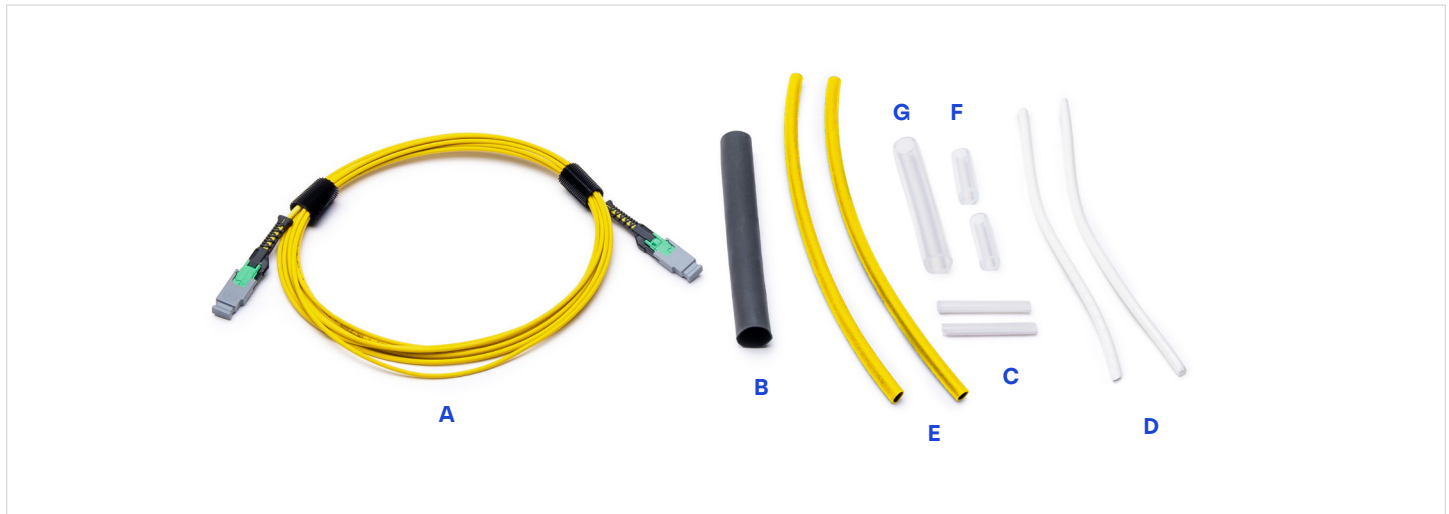
- If the damaged leg is a 24F MTP and has a non-pinned connector
  - When there is physical damage or a severe bend to the leg of the cable
  - If there is high loss at the connection in question
- Note: Check for damages on the cable behind the connector and inside the housing.

## Helpful Links:

[Routing EDGE™ Rapid Connect Trunks in the Enclosure](#)  
[24F SOC Field Repair](#)

# 24F MMC® Repair Kit (200 µm)

FB-RK-24MCFMCM



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 24F MMC® Extender Trunk	PPE	Lint-Free Wipes
<b>B</b> 3/4-in Diameter Shrink Tubing	MMC housing removal tool	92% or Higher Isopropyl Alcohol
<b>C</b> Ribbon Splice Protector (Quantity: 2)	Snips	MMC One Click Cleaner
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	Splicer Kit	Cleaning Cassette (Optional)
<b>E</b> 1/4-in Diameter Shrink Tubing (Quantity: 2)	(200 µm) 12F V-grooves	
<b>F</b> 1-in Clear Teflon tube (Quantity: 2)	(200 µm) 12F Ribbon Handlers	
<b>G</b> 3-in Clear Teflon tube	Heat Gun	
	Mini Coaxial Tool	
	Tape Measure	
	Black Marker	

## When is the repair kit used?

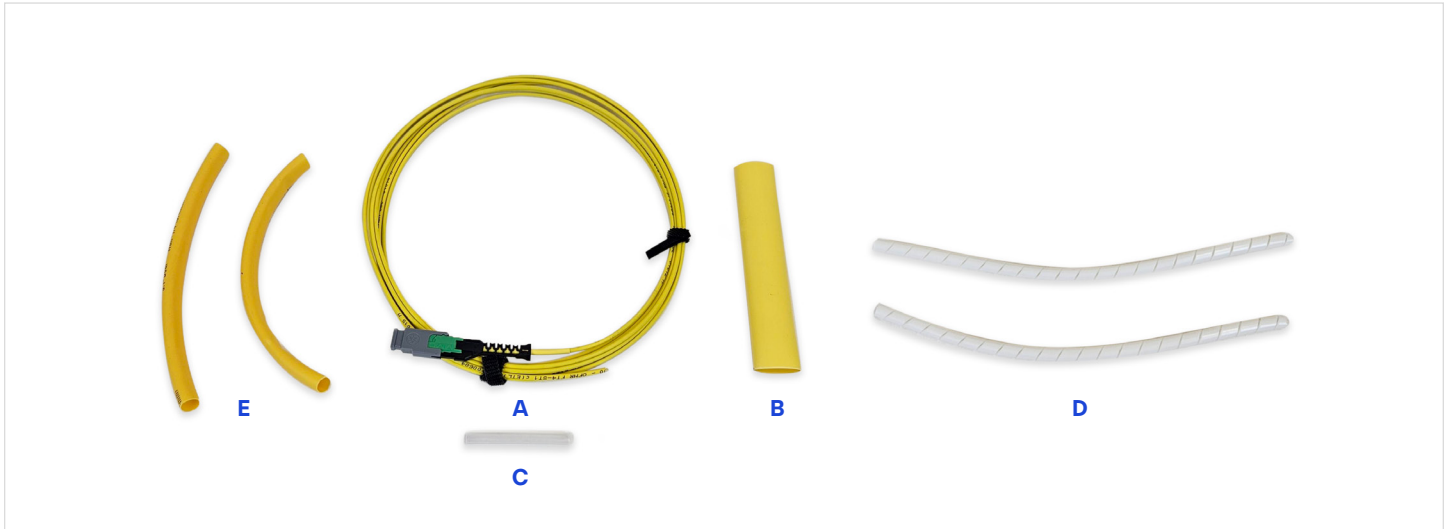
- If the damaged leg is a 24F MMC (pinned or un-pinned) with 200 µm fibers or flow ribbon  
 Note: Kit can also be spliced to 250 µm fibers, special tools will be needed
- When there is physical damage to the leg of the cable or the connector/end face
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

- [24F MMC Repair Kit](#)
- [24F MMC Connector Repair](#)
- [How to Splice Flow Ribbon](#)
- [Mass Fusion Splicing of 200-Micron Fibers](#)

# (250 μm) 16F MMC® Repair Kit Non-pinned

RK-16MCF



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
A 16F SM MMC® Pigtail (250 μm)	PPE	Lint-Free Wipes
B 3/4-in Diameter Shrink Tubing	MMC Housing Removal Tool	92% or Higher Isopropyl Alcohol
C 12F Ribbon Splice Protector	Snips	MMC One Click Cleaner
D 6-in Spiral Wrap 1/4-in (Quantity: 2)	Magnifier (Optional)	Cleaning Cassette (Optional)
E 1/4-in Diameter Shrink Tubing (10 to 12 in) (Quantity: 2)	Instant Adhesive	
	Spiral Swab	
	Splicer Kit	
	16F V-grooves (250 μm)	
	16F Ribbon Handlers (250 μm)	
	Heat Gun	
	Mini Coaxial Tool	
	1/4-in masking Tape	
	Tape Measure	

## When is the repair kit used?

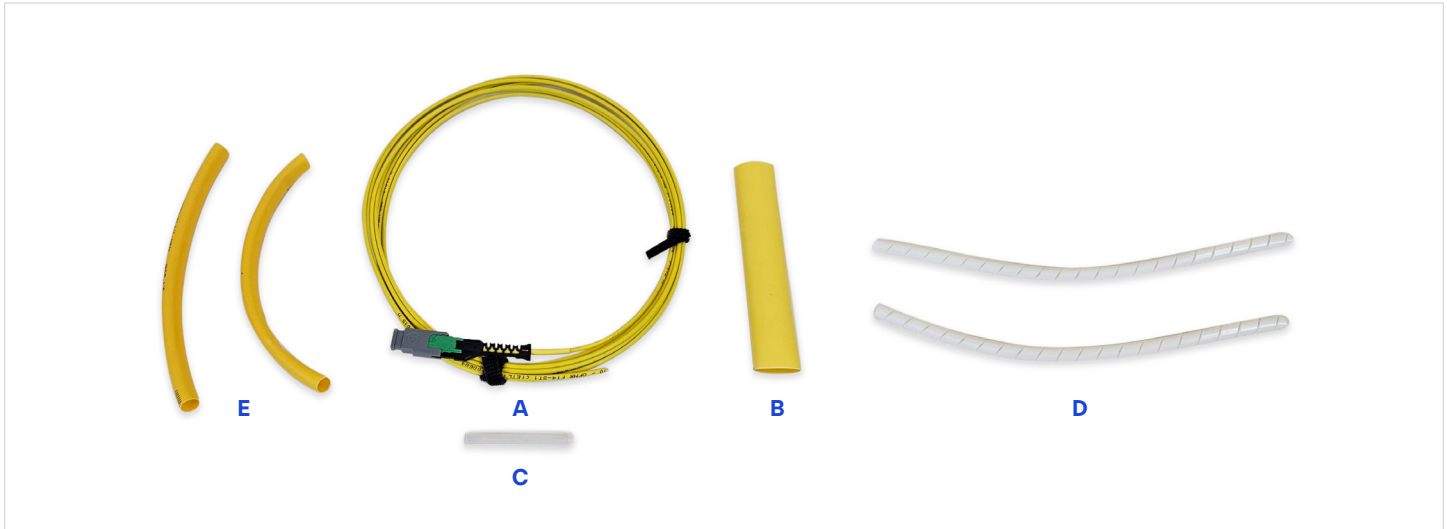
- If the damaged leg is a non-pinned 16F MMC with 250 μm fiber  
 Note: Kit can also be spliced to 200 μm fibers, special tools will be needed
- When there is physical damage to the leg of the cable or the connector/end face
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

- [16F MMC 250 μm to 200 μm Fiber Repair](#)
- [16F MMC Connector Repair](#)
- [How to Splice Flow Ribbon](#)

# (250 μm) 16F MMC® Repair Kit Pinned

RK-16MCM



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 16F SM MMC® Pigtail (250 μm)	PPE	Lint-Free Wipes
<b>B</b> 3/4-in Diameter Shrink Tubing	MMC Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b> 12F Ribbon Splice Protector	Snips	MMC One-Click Cleaner
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	Magnifier (Optional)	Cleaning Cassette (Optional)
<b>E</b> 1/4-in Diameter Shrink Tubing (10 to 12 in) (Quantity: 2)	Instant Adhesive	
	Spiral Swab	
	Splicer Kit	
	16F V-grooves (250 μm)	
	16F Ribbon Handlers (250 μm)	
	Heat Gun	
	Mini Coaxial Tool	
	1/4-in Masking Tape	
	Tape Measure	

## When is the repair kit used?

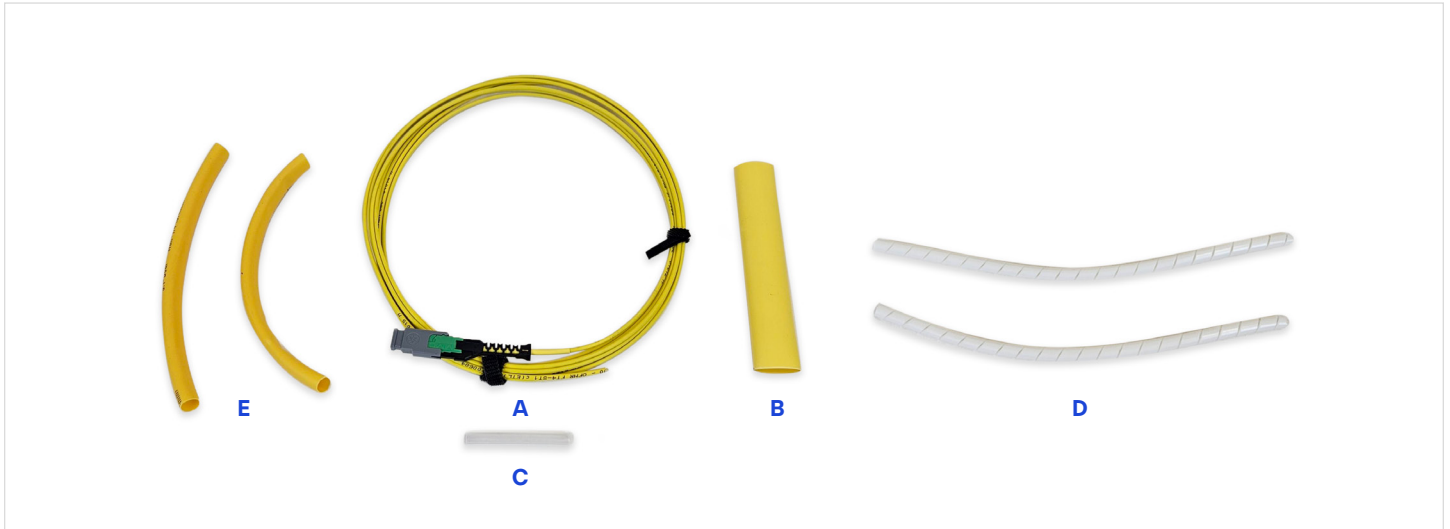
- If the damaged leg is a pinned 16F MMC with 250 μm fiber  
 Note: Kit can also be spliced to 250 μm fibers, special tools will be needed
- When there is physical damage to the leg of the cable or the connector/end face
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

- [16F MMC 250 μm to 200 μm Fiber Repair](#)
- [16F MMC Connector Repair](#)
- [How to Splice Flow Ribbon](#)

# (200 μm) 16F MMC® Repair Kit Non-pinned

RK-16MCF-200



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 16F SM MMC® Pigtail (200 μm)	PPE	Lint-Free Wipes
<b>B</b> 3/4-in Diameter Shrink Tubing	MMC Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b> 12F Ribbon Splice Protector	Snips	MMC One-Click Cleaner
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	Splicer Kit	Cleaning Cassette (Optional)
<b>E</b> 1/4-in Diameter Shrink Tubing (10 to 12 in) (Quantity: 2)	(200 μm) 16F V-grooves	
	(200 μm) 16F Ribbon Handlers	
	Heat Gun	
	Mini Coaxial Tool	
	Tape Measure	

## When is the repair kit used?

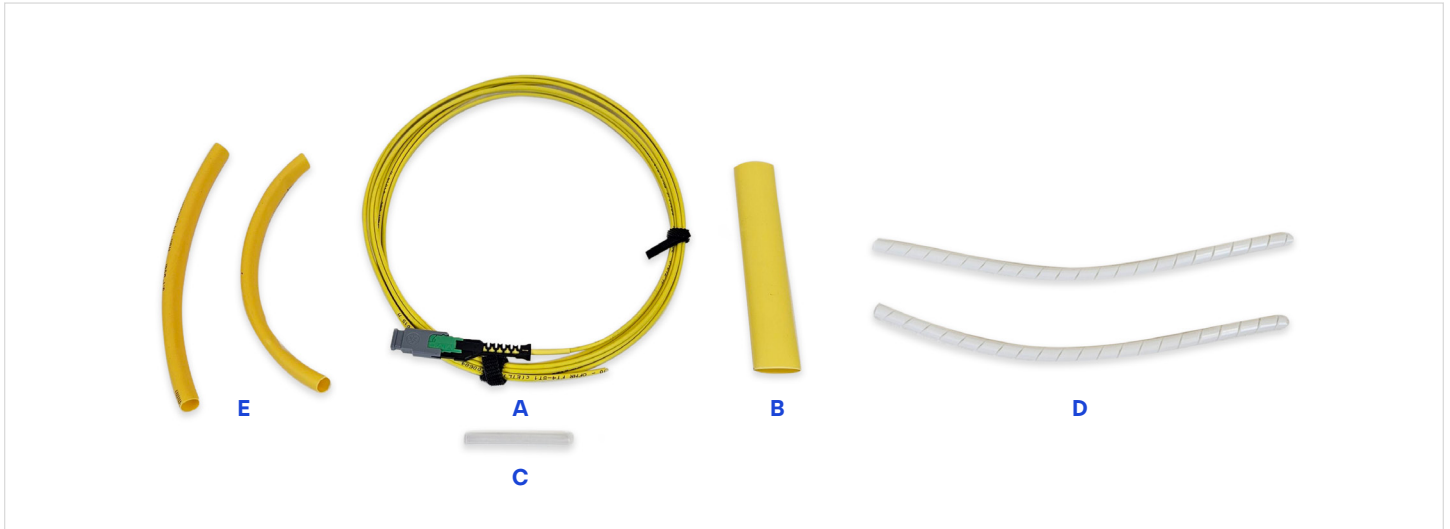
- If the damaged leg is a non-pinned 16F MMC with 200 μm fiber  
 Note: Kit can also be spliced to 250 μm fibers, special tools will be needed
- When there is physical damage to the leg of the cable or the connector/end face
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

- [16F MMC 250 μm to 200 μm Fiber Repair](#)
- [16F MMC Connector Repair](#)
- [How to Splice Flow Ribbon](#)

# (200 μm) 16F MMC® Repair Kit Pinned

RK-16MCM-200



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> 16F SM MMC® Pigtail (200 μm)	PPE	Lint-Free Wipes
<b>B</b> 3/4-in Diameter Shrink Tubing	MMC Housing Removal Tool	92% or Higher Isopropyl Alcohol
<b>C</b> 12F Ribbon Splice Protector	Snips	MMC One-Click Cleaner
<b>D</b> 6-in Spiral Wrap 1/4-in (Quantity: 2)	Splicer Kit	Cleaning Cassette (Optional)
<b>E</b> 1/4-in Diameter Shrink Tubing (10 to 12 in) (Quantity: 2)	(200 μm) 16FV-grooves	
	(200 μm) 16F Ribbon Handlers	
	Heat Gun	
	Mini Coaxial Tool	
	Tape Measure	

## When is the repair kit used?

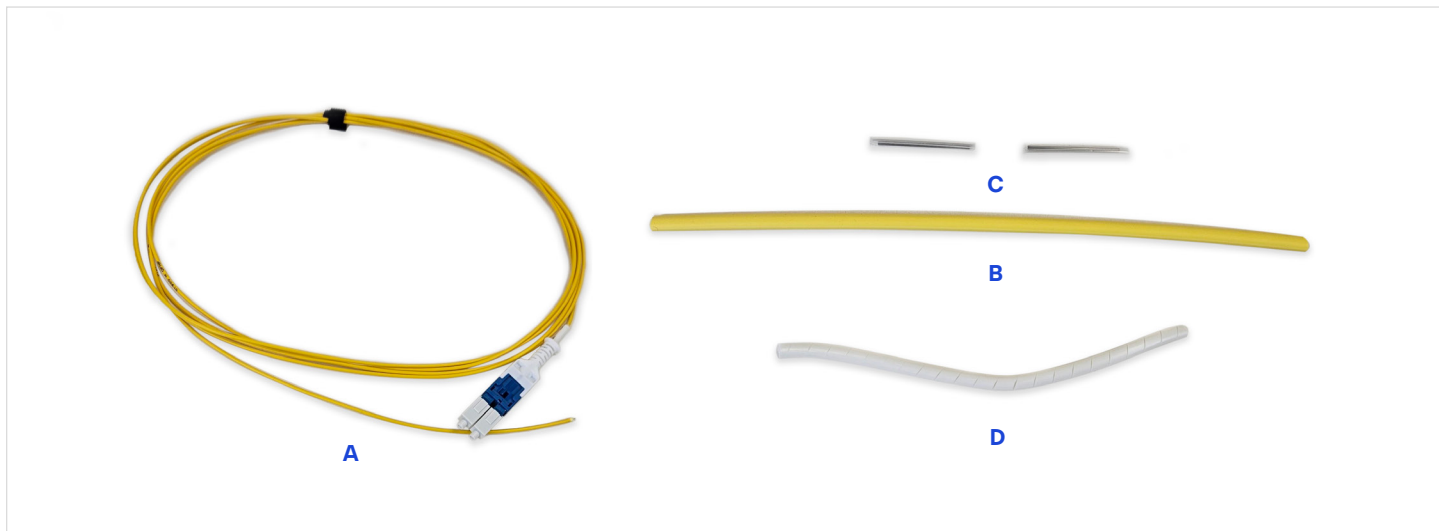
- If the damaged leg is a pinned 16F MMC with 200 μm fiber  
 Note: Kit can also be spliced to 250 μm fibers, special tools will be needed
- When there is physical damage to the leg of the cable or the connector/end face
- If there is high loss at the connection in question  
 Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

- [16F MMC 250 μm to 200 μm Fiber Repair](#)
- [16F MMC Connector Repair](#)
- [How to Splice Flow Ribbon](#)

# SunCal LC Duplex Repair Kit

FB-RK-LCSUN



Items Found in Kit	Items Needed for Repair	Cleaning Procedure
<b>A</b> LC Duplex Pigtail, 2.0 mm Jacket	PPE	Lint-Free Wipes
<b>B</b> 9.5-in long 1/4-in Heat-Shrink	Snips	92% or Higher Isopropyl Alcohol
<b>C</b> 40-mm Single-Fiber Heat-Shrink Splice Protectors (Quantity: 2)	Splicer Kit	LC One-Click Cleaner
<b>D</b> 6-in Spiral Wrap 1/4-in	2F Ribbon Handlers	
	Three-hole Single-Fiber Strippers	
	Glue Stick	
	Tape Measure	
	Black Sharpie	
	Heat Gun	

## When is the repair kit used?

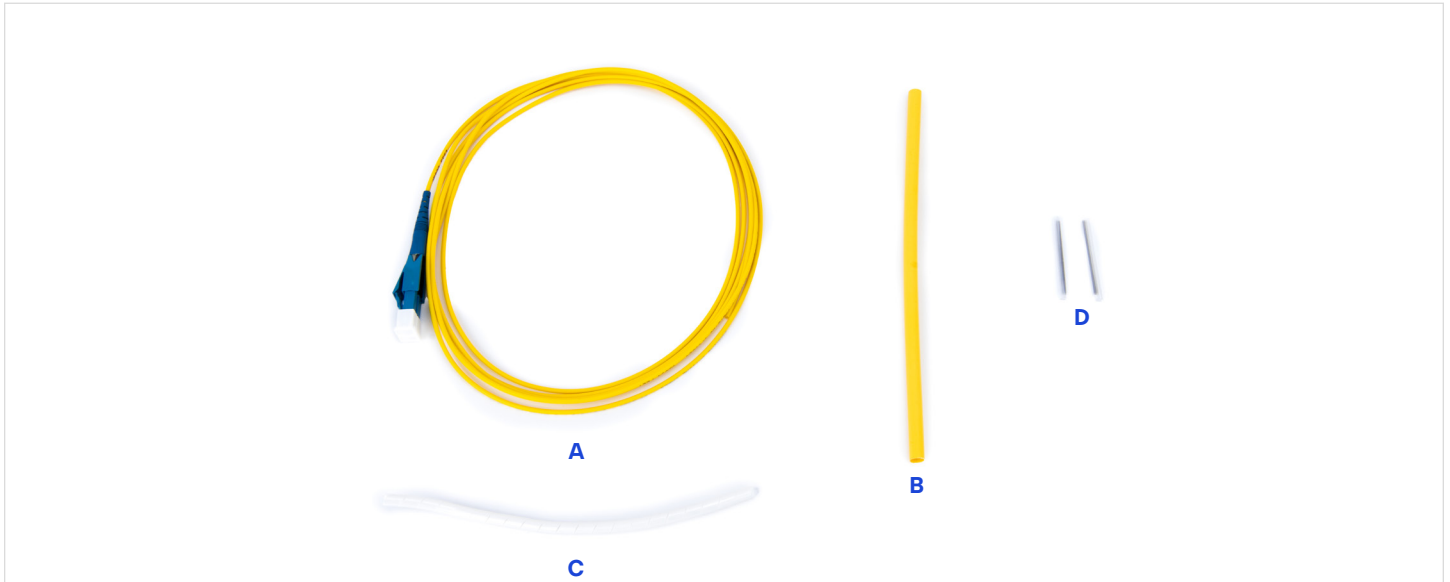
- If the damaged leg is a LC duplex with a white boot as seen in the image above
  - When there is physical damage to the leg of the cable or the connector/end face
  - If there is high loss at the connection in question
- Note: Check for damages on the cable behind the connector and inside the housing

## Helpful Links:

[LC Duplex Uniboot Connector Repair](#)

# LC Repair Kit Uniboot

FB-RK-SMULCEDS



Items Found in Kit	Items Needed for Repair	Cleaning Items
<b>A</b> LC Duplex Uniboot Jumper	PPE	Lint-Free Wipes
<b>B</b> 1/4-in Diameter Yellow 9.5-in Protection Sleeve	Splicer Kit	92% or Higher Isopropyl Alcohol
<b>C</b> 6-in Spiral Wrap 1/4-in	2F Splicer Handlers	LC One-Click Cleaner Stick
<b>D</b> 40 mm Single-Fiber Heat-Shrinks (Quantity: 2)	Heat Gun	
	Kapton Tape	
	Snips	
	Glue Stick	
	Tape Measure	
	Black Marker	

## When is the repair kit used?

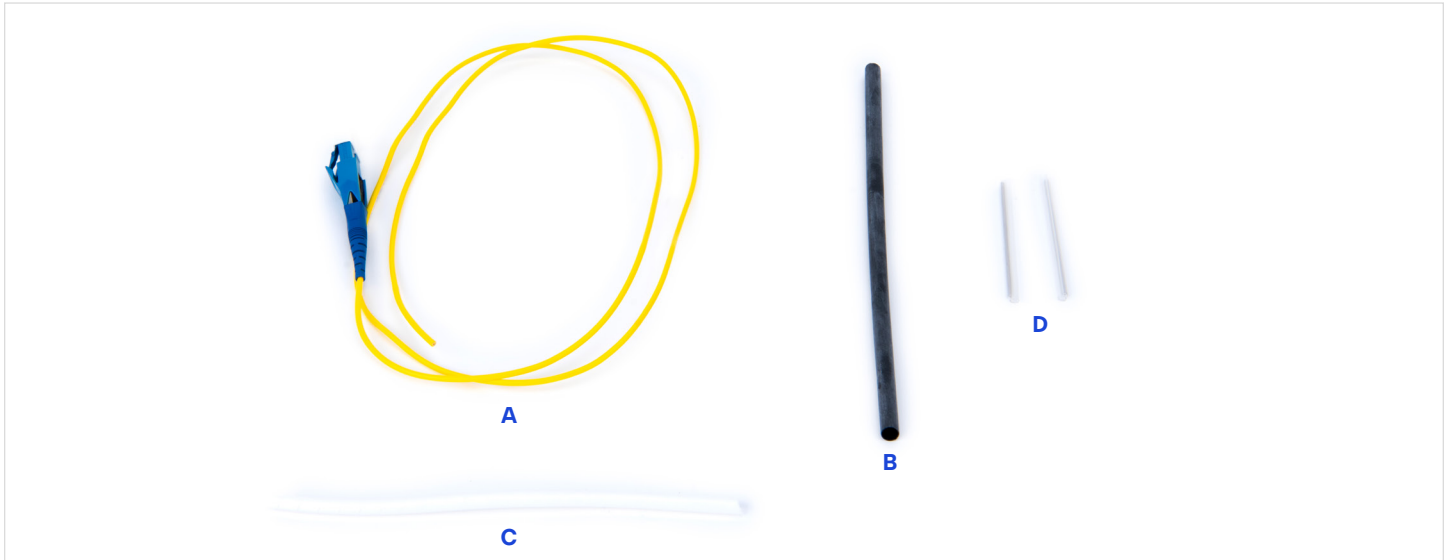
- If the damaged leg is a LC duplex with a blue boot, (usually seen in EDS) see image above
  - When there is physical damage or a severe bend to the leg of the cable
  - When there is physical damage to a connector/end face
  - If there is high loss at the connection in question
- Note: Check for damages on the cable behind the connector and inside the housing.

## Helpful Links:

- [LC Connector Uniboot Jumper Assembly Instructions](#)
- [LC Duplex Uniboot Connector Repair](#)
- [EDGE Reverse Polarity Uniboot](#)

# SM 2F 2.00 MM LC Uniboot 1-M Repair Kit (Black H/S)

FB-RK-SMULCU001



Items Found in Kit	Items Needed for Repair	Cleaning Items
<b>A</b> LC Duplex Uniboot Jumper	PPE	Lint-Free Wipes
<b>B</b> 1/4-in Diameter Black 9.5-in Protection Sleeve	Splicer Kit	92% or Higher Isopropyl Alcohol
<b>C</b> 6-in Spiral Wrap 1/4-in	2F Splicer Handlers	LC One-Click Cleaner Stick
<b>D</b> 40 mm Single-Fiber Heat-Shrinks (Quantity: 2)	Heat Gun	
	Kapton Tape	
	Snips	
	Glue Stick	
	Tape Measure	
	Black Marker	

## When is the repair kit used?

- If the damaged leg is a LC duplex with a blue boot and has a 2 mm jacket as seen in the image above
- When there is physical damage or a severe bend to the leg of the cable
- When there is physical damage to a connector/end face  
Note: Check for damages on the cable behind the connector and inside the housing.

## Helpful Links:

- [LC Connector Uniboot Jumper Assembly Instructions](#)
- [LC Duplex Uniboot Connector Repair](#)
- [EDGE Reverse Polarity Uniboot](#)

# Additional Repair Kits

The following page lists out additional repair kits along with helpful reference links. Reach out to your local Implementation Engineer for information on upcoming repair kits.

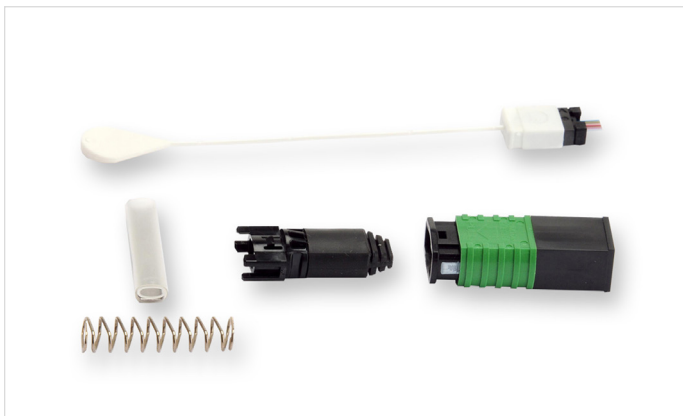
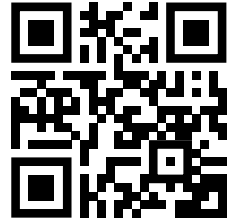
1. SC APC Pigtail Repair kit: FB-RK-SAPC
2. SC UPC Pigtail Repair kit: FB-RK-SUPC
3. 8F MTP Repair Kit: FB-RK-8FMTPF

## FuseLite® Connectors

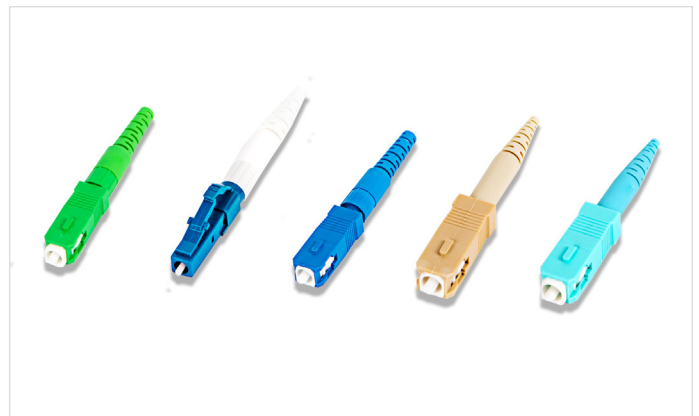
Corning offers a broad portfolio of **FuseLite® field-installable connectors**. FuseLite Splice-on Connectors are recommended when no extra cable length is needed for the repair leg.

Follow the link or scan the QR code to access a complete listing.

- LC
- SC
- ST®
- MTP®



FuseLite® Connector, MTP® compatible, 3.0 mm round cable, pinned, Single-mode (OS2)



FuseLite® 2 Splice-on Connector

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