

A Solution Optimized  
for Narrow FTTH Environments

# SHORT CONNECTOR

## Product Size

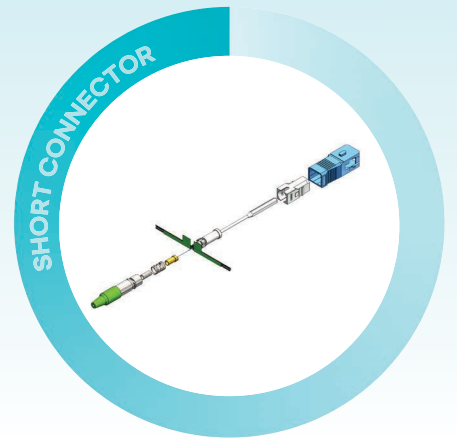
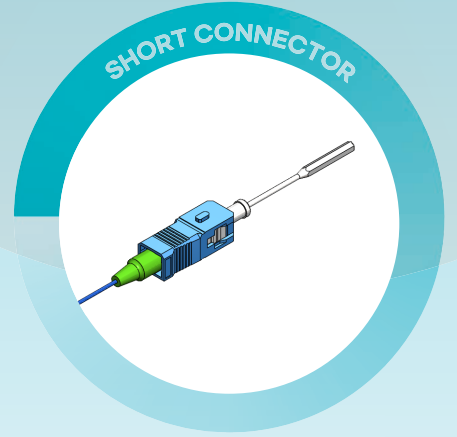
Optimized Design  
for Confined Spaces

**37**mm

## Compared to Our Previous Model

39% Shorter than the Previous Model

**39%**



## SOLMate Short Connector Solution

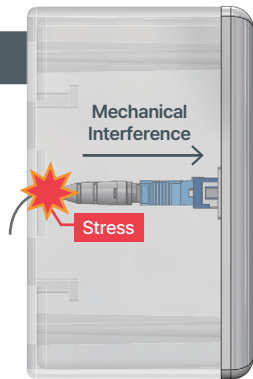
# 37mm Design That Overcomes Physical Limitations

What was needed in the field was not numerical specifications. It was just 1mm of spatial clearance for interference-free finishing inside confined outlets.

**SOL** *Mate*

### Conventional Connector

## Structural Interference and Potential Failures



### SOLMate Short Connector

## Precision Structure for Stress Distribution



### Physical Interference

Long conventional connectors cause abnormal cable bending in confined internal spaces.



### 37mm Compact Design

Achieves the optimal connector length for **safe installation in 54T outlet** environments.

### Structural Stress

The rigid sleeve contacts the rear wall of the outlet, applying continuous stress at the connection point.



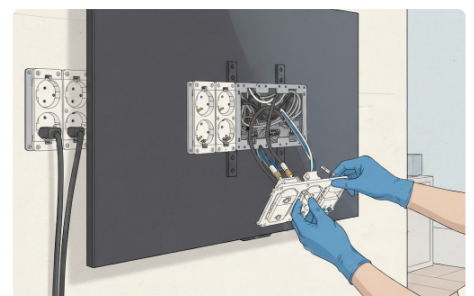
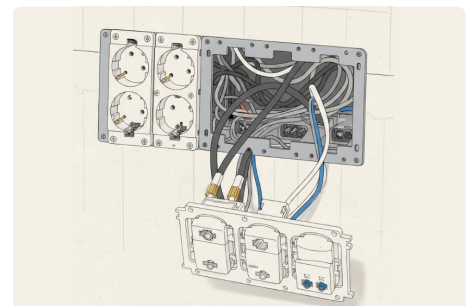
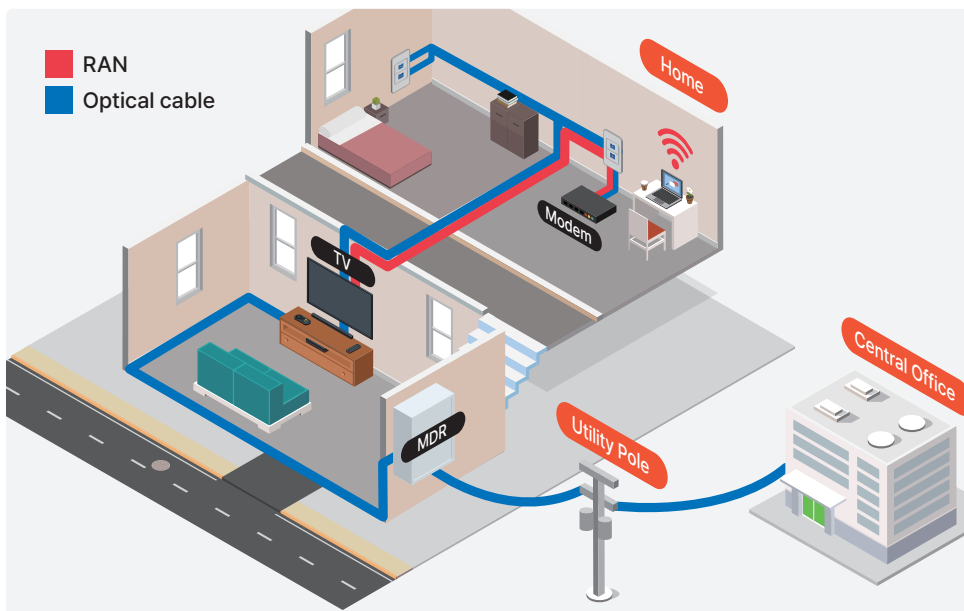
### Stable Bend Radius Maintenance

Through optimized connector design, the optical cable naturally settles **within the allowable bend radius**.

## Short Connector for Flush-Mounted Interior Installation

**Ultra Close Wall Fit** : The shortened connector prevents cable bending even in narrow gaps between the TV and the wall.

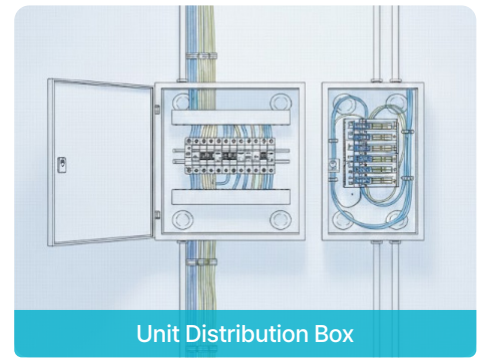
**Flexible Equipment Integration** : The minimized length reduces cable interference inside narrow enclosures.



## Reliable and Stable Finishing

SOLMate 37mm SOC minimizes installation variables with its compact design. Even in 54T outlets, straight seating is possible without cable bending. Its standardized size enables fast and clean finishing without additional slack management.

- New Apartment 54T Optical Outlet :** Solves cable bending and cover lifting issues caused by shallow embedding depth.
- Household Distribution Box (MDU/ATB) :** Enables efficient termination work inside narrow enclosures with densely packed lines.
- Old Building Renovation :** Suitable for maintenance sites where conduit space is limited or outlet replacement is difficult.
- FTTH Drop Section :** Ideal for ultra-compact terminal boxes or narrow areas where pigtail slack management is not possible.



## Components



## Installation Procedure

1 Prepare the components.

2 Insert the boot onto the cable in sequence.

3 Strip the cable jacket and cleave it using a fiber cleaver.

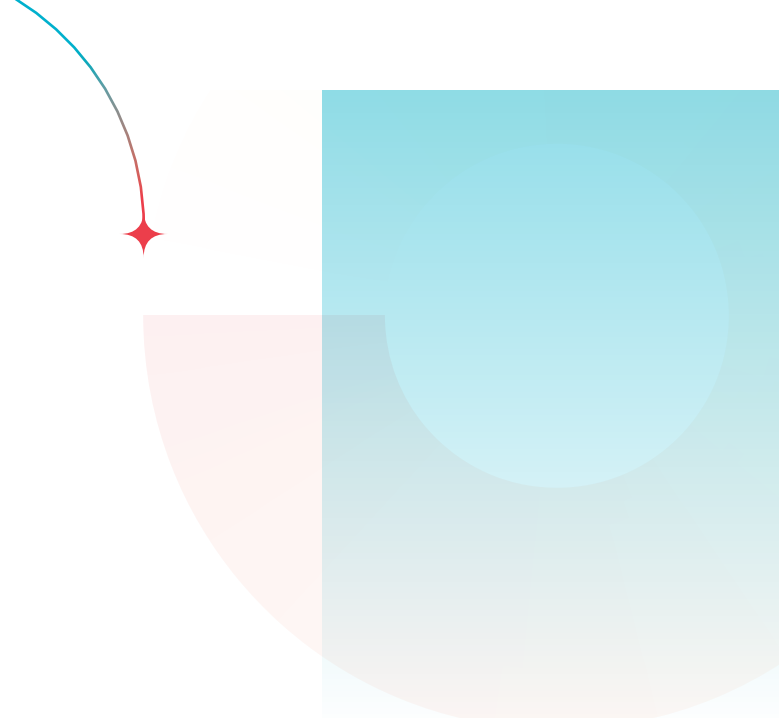
4 After connection, fold the wings to protect the splice point.

5 Fasten the SC flange sleeve holder, lift the spring, and secure the clamp using a crimping tool.

6 Assemble the SC housing and SC frame, then attach the lug housing to complete the installation.

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