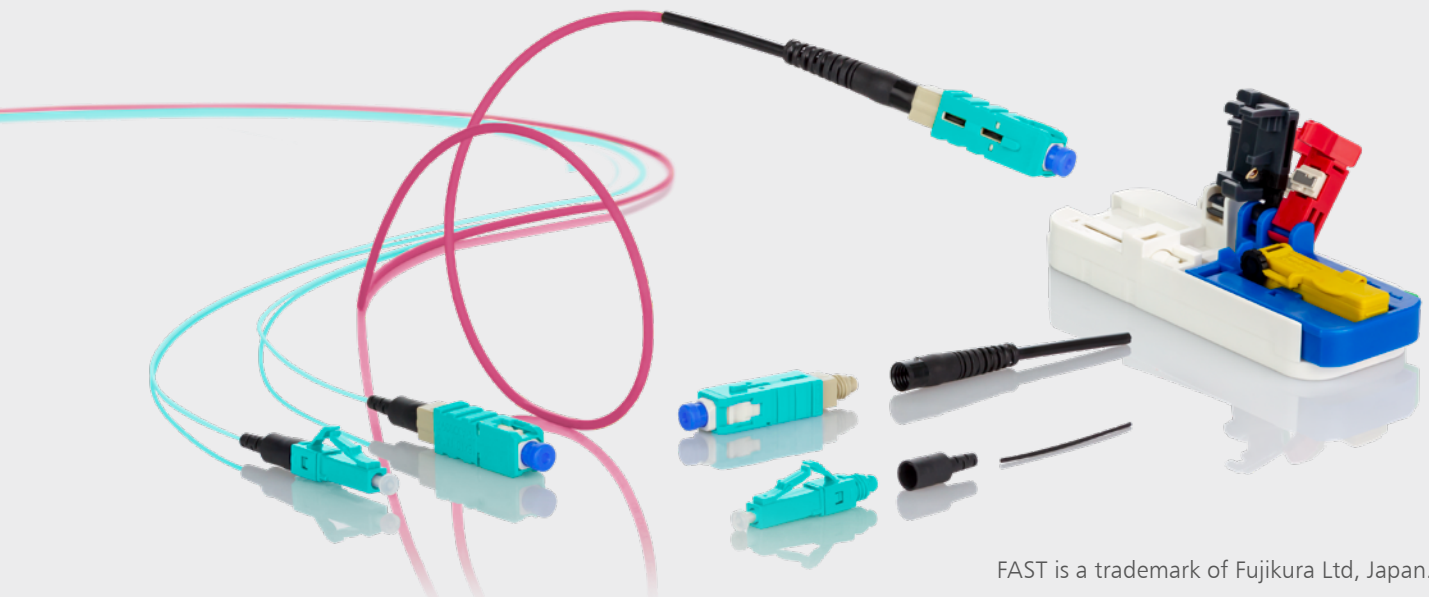# Product information –
OpDAT FAST™

field installable FO connector for multi-mode connections

FAST is a trademark of Fujikura Ltd, Japan.

The OpDAT FAST™ connector is a field installable fibre optic connector for multi-mode technology that offers very good and constant optical transmission values. The FO connector can be assembled quickly and easily in the field - no gluing, no polishing and no special tools required. The factory-polished ceramic ferrule guarantees very good and stable connection

parameters. The fibre to be terminated is connected via a mechanical splice located in the connector. All accessories required for connector assembly are included in the delivery contents. This means there is no need for further investment in special equipment or tools.

Features

> simple, easy to learn, fast and cost-effective installation.
> available with connector types LC and SC for multi-mode. (suitable for OM3 and OM4).
> connector kits for fiber optic wires with Ø 0.25 and Ø 0.9 mm.
> connector kits for fiber optic cables with Ø 2.0 and Ø 3.0 mm.

> the connector can be assembled up to three times.
> the separating device (cleaver) included in the delivery contents provides a clean, straight cut. It is maintenance-free and can be used up to 200 times.
> every OpDAT FAST™ connector has a serial number, so that traceability is possible at any time.
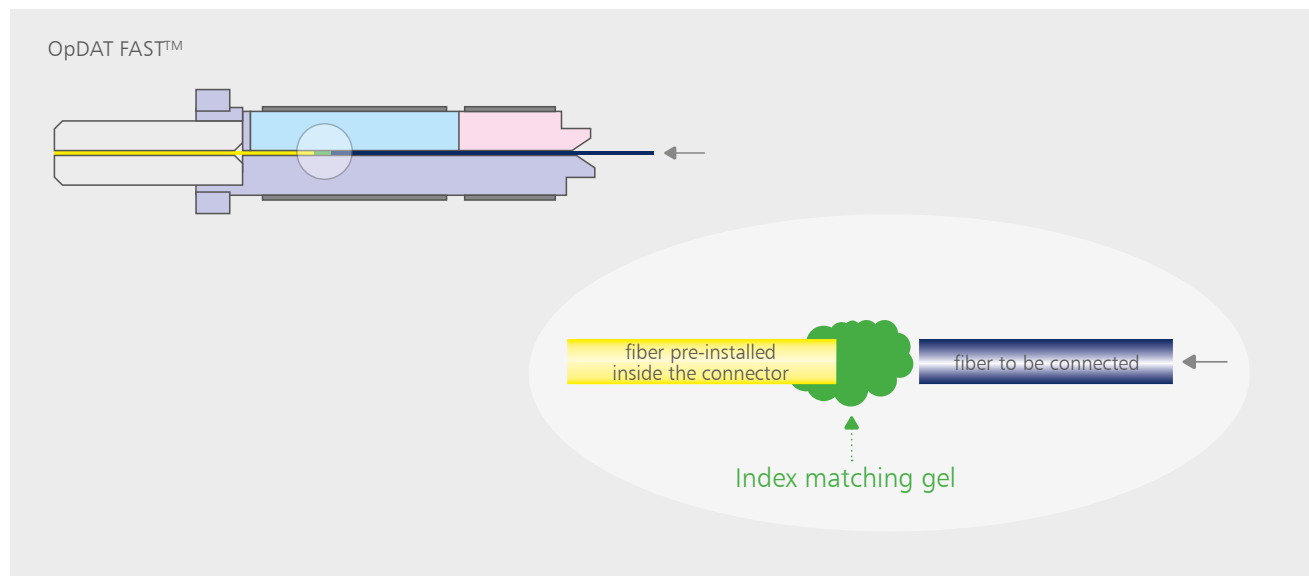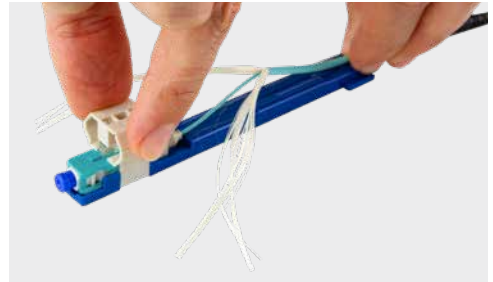
Applications

> repairs in the field
> in areas that are difficult to access, or with limited space
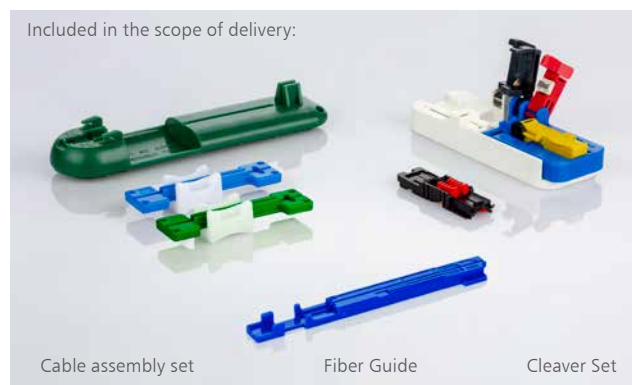
P | Cabling

Technology

The OpDAT FAST™ connector offers consistently good insertion loss and return loss values thanks to high-precision guide elements.

OpDAT FAST™ connectors are speedy to assemble and very easy to handle. These features are largely thanks to the newly developed **Fiber guide**, a tool included in the delivery contents. First, it serves as a "template" during preparation so that the stripping lengths for the respective connector type can be marked correctly on the wires to be connected. After the fiber has been trimmed to length with the aid of the separating device (cleaver), the fiber guide is used again: when the fiber is inserted into the connector, it ensures safe and easy assembly.
The result is a long-term stable and powerful optical connection.

OpDAT FAST™

fiber pre-installed inside the connector

fiber to be connected

Index matching gel

In addition, tools are supplied together with the connector kits to make the assembly much easier.

A Fiber Optic Tool Bag is available as an option, the contents of which are generally suitable for all further work with optical fibers.
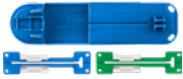
Included in the scope of delivery:

Cable assembly set   Fiber Guide   Cleaver Set

Optional:

Fiber Optic Tool Bag

Ordering information

CONNECTOR TYPE	FIBER TYPE	PART NUMBER	SCOPE OF DELIVERY		CABLE TYPE
			CONNECTOR KITS	ACCESSORIES	
		1509MAJO010C-F	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm
		1509MAJO002C-F	20	Cleaver Set Fiber Guide	
		1509MAJO0010-F	10	–	
LC PC	OM3/OM4	1509MKJO010C-F	100	Cleaver Set Fiber Guide Cable assembly set	2.0 + 3.0 mm
		1509MKJO002C-F	20	Cleaver Set Fiber Guide Cable assembly set	
		1509MKJO0010-F	10	–	
		1509MAEO010C-F	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm
		1509MAEO002C-F	20	Cleaver Set Fiber Guide	
		1509MAEO0010-F	10	–	
SC PC	OM3/OM4	1509MKEO010C-F	100	Cleaver Set Fiber Guide Cable assembly set	2.0 + 3.0 mm
		1509MKEO002C-F	20	Cleaver Set Fiber Guide Cable assembly set	
		1509MKEO0010-F	10	–	

Technical Data

CONNECTOR TYPE	SC	LC
IEC	61754-4	61754-20
TIA/EIA	604-3	604-10-A
Diameter of the ceramic ferrule	2.5 mm	1.25 mm
Fiber type	OM3 (MM 50/125 μm), G.651.1. also suitable for OM4	
Color		aqua
Insertion loss (against master)		0.2 to 0.4 dB
Return loss		> 35 dB
Temperature range (depending on cable)		-25° to +70 °C (for 0.25 mm Faser)

Optional accessories / Spare parts

	PRODUCT NAME	PART NUMBER	SCOPE OF DELIVERY
	Cable assembly set for LC	15080020KJO-E	LC assembling tool Cable clamp for Ø 2 mm Cable clamp for Ø 3 mm
	Cable assembly set for SC	15080020KEO-E	SC assembling tool Cable clamp for Ø 2 mm Cable clamp for Ø 3 mm
	Fiber Guide for SC	15080020FGJ-E	
	Fiber Guide for SC	15080020FGE-E	
	FO tool bag	150800200-E	Kevlar scissors Red light source Settling pliers Cleaning tissues Cleaning fluid 2 ferrule cleaners Tweezers Fiber waste container 2 screwdrivers Foil pen