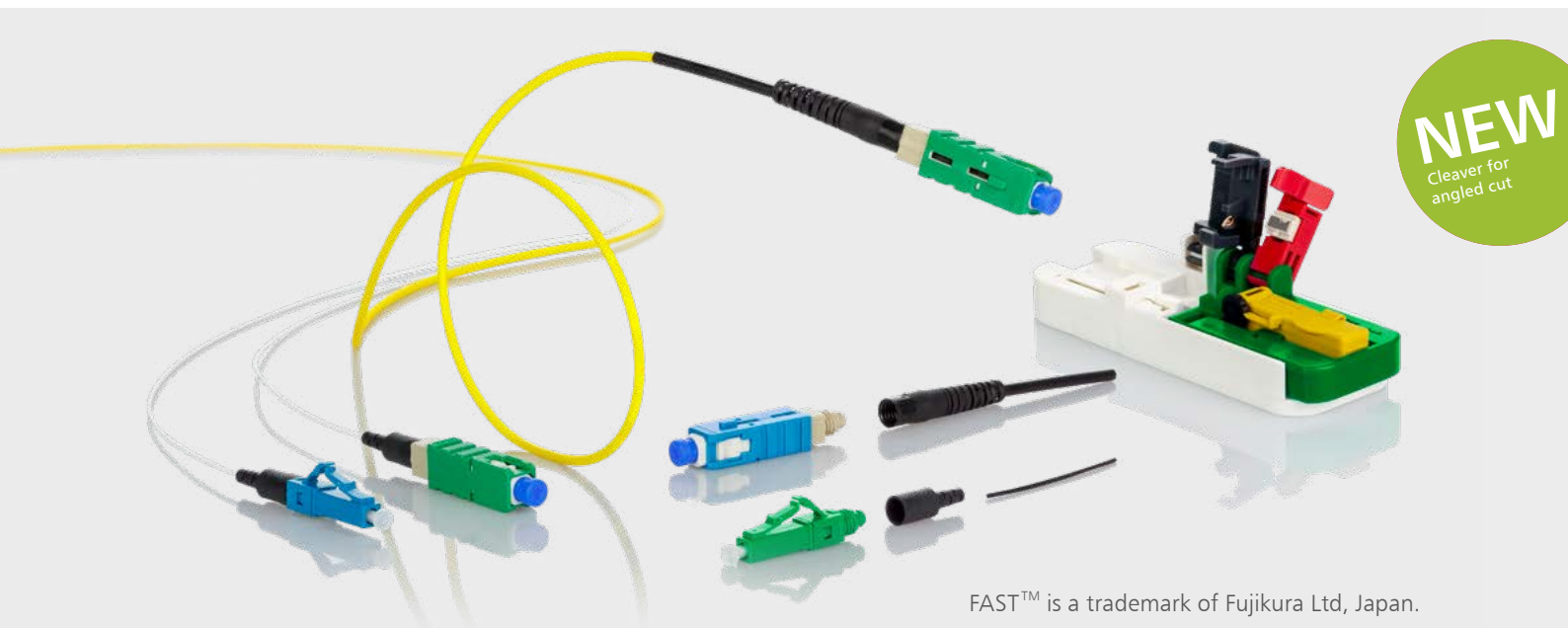


Product Information – OpDAT FAST™ Hybrid

the new field installable FO connector with Opto-Elast



FAST™ is a trademark of Fujikura Ltd, Japan.

The OpDAT FAST™ Hybrid connector is a field installable FO connector that offers constant and good optical transmission values thanks to its new hybrid technology. The FO connector can be assembled easily and quickly in the field - without gluing, without polishing and without special tools. The factory polished ceramic ferrule guarantees good and stable connection

parameters. The fiber to be terminated is connected via a mechanical splice located inside the connector. Thanks to the new hybrid technology, this connection is particularly reliable and low-loss. All accessories required for connector assembly are included in the scope of delivery. This eliminates the need for a further investment in special equipment and special tools.

Properties

- > with hybrid technology for better and constant optical insertion loss values
- > no polishing and no gluing during the assembly on site
- > available with connector types LC and SC for singlemode (UPC and APC polishing)
- > connector kits for buffered fibers with Ø 0.25 and Ø 0.9 mm
- > connector kits for FO cables with Ø 2.0 and Ø 3.0 mm
- > the connector can be assembled up to three times
- > the included cleaver provides an angled cut so high return loss values will be achieved. The cleaver is maintenance free and can be used up to 200 times.
- > each OpDAT FAST™ Hybrid connector has a serial number, so that traceability is guaranteed at all times

Applications

- > for FTTH and FiTH connections
- > Repairs in the field
- > in areas that are difficult to access, or with limited space
- > for a direct mounting on active components

Technology

The OpDAT FAST™ Hybrid connector offers consistent good insertion loss and return loss values thanks to the new hybrid technology and the angled cut of the fibers inside.

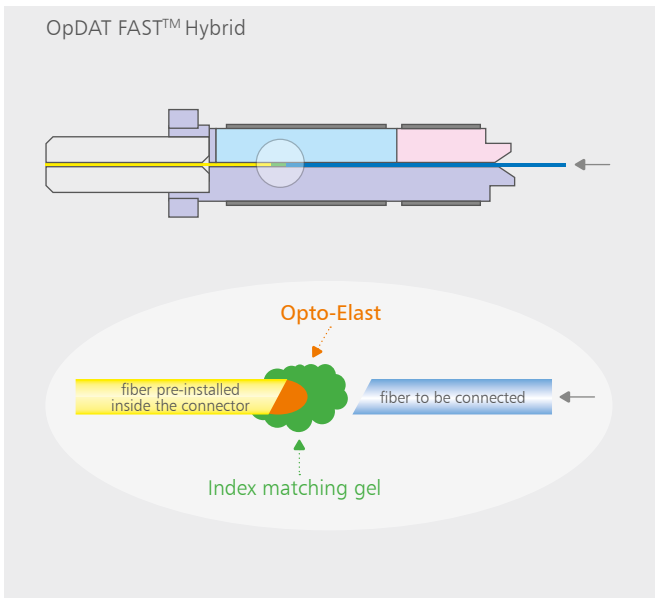
The combination of the conventional refractive index gel and the newly developed **Opto-Elast** was verified in the laboratory and represents the next development step in field installable FO connectors.

During assembly, the end of the fiber to be connected is immersed into the refractive index gel and into the Opto Elast, which is applied directly to the pre-installed fiber. The **Opto-Elast** stabilizes the light transfer between the two fibers in the embedded refractive index gel..

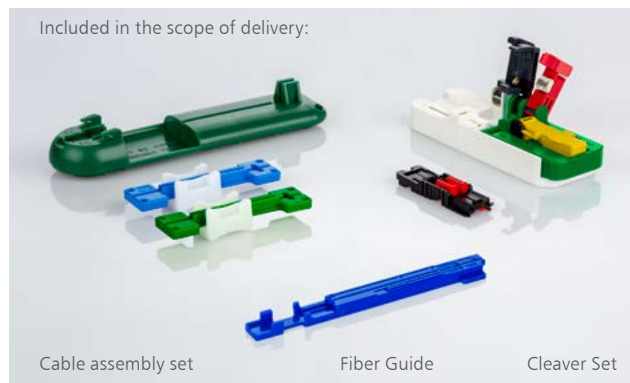
In addition to the above described hybrid technology, the fiber pre-installed inside the connector is already cut with an angle. The fiber to be connected is also cut at an angle using the new cleaver. When connecting both fibers within the mechanical splice the return loss values are therefore achieved of more than 60 dB (APC connector).

The result of these two described advantages is a long-term stable and powerful optical connection.

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.



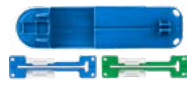
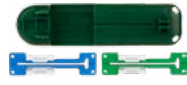


ORDERING INFORMATION

CONNECTOR TYPE	PART NUMBER	SCOPE OF DELIVERY		CABLE TYPE
		CONNECTOR KITS	ACCESSORIES	
LC APC	1509QAJA010C-E	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm 
	1509QAJA002C-E	20	Cleaver Set Fiber Guide	
	1509QAJA0010-E	10	–	
	1509QKJA010C-E	100	Cleaver Set, Fiber Guide Cable assembly set	2.0 + 3.0 mm 
	1509QKJA002C-E	20	Cleaver Set, Fiber Guide Cable assembly set	
	1509QKJA0010-E	10	–	
LC UPC	1509QAJO010C-E	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm 
	1509QAJO002C-E	20	Cleaver Set Fiber Guide	
	1509QAJO0010-E	10	–	
	1509QKJO010C-E	100	Cleaver Set, Fiber Guide Cable assembly set	2.0 + 3.0 mm 
	1509QKJO002C-E	20	Cleaver Set, Fiber Guide Cable assembly set	
	1509QKJO0010-E	10	–	
SC APC	1509QAEA010C-E	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm 
	1509QAEA002C-E	20	Cleaver Set Fiber Guide	
	1509QAEA0010-E	10	–	
	1509QKEA010C-E	100	Cleaver Set, Fiber Guide Cable assembly set	2.0 + 3.0 mm 
	1509QKEA002C-E	20	Cleaver Set, Fiber Guide Cable assembly set	
	1509QKEA0010-E	10	–	
SC UPC	1509QAE0010C-E	100	Cleaver Set Fiber Guide	0.25 + 0.9 mm 
	1509QAE0002C-E	20	Cleaver Set Fiber Guide	
	1509QAE00010-E	10	–	
	1509QKE0010C-E	100	Cleaver Set, Fiber Guide Cable assembly set	2.0 + 3.0 mm 
	1509QKE0002C-E	20	Cleaver Set, Fiber Guide Cable assembly set	
	1509QKE00010-E	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	OS2 (SM 9/125 μm) G.657.A1	
Colour	UPC polishing	blue
	APC polishing	green
Insertion loss (against master)	0.2 to 0.5 dB	
Return loss	UPC polishing	> 50 dB
	APC polishing	> 60 dB
Temperature range (depending on cable)	-25° to +70°C (for 0.25 mm fiber)	

OPTIONAL ACCESSORIES/
SPARE PARTS

	PART NUMBER	SCOPE OF DELIVERY	IMAGE
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 assembly tool Cable clamp for Ø 2 mm Cable clamp for Ø 3 mm	
Fiber Guide for LC	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	