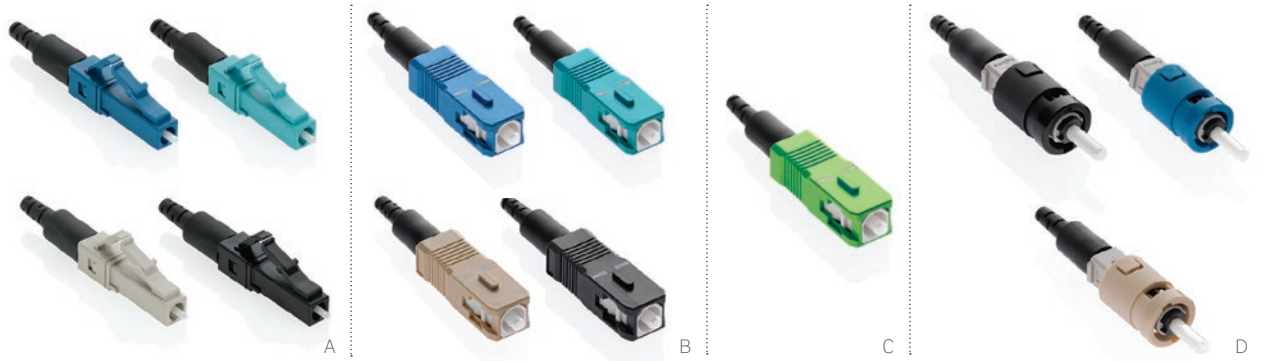
FEATURED PRODUCTS

FastCAM Connectors **B70**

Connectors & Housings

Leviton has everything you need to properly terminate your fibre network. FastCAM® and field polish connectors are available in LC, SC, and ST styles. To extend fibre to the workstation, we also offer QuickPort® fibre adaptors for faceplates and Multimedia Outlet System (MOS) housings. Go to the Faceplates & Housings section to see our faceplate selection.



FASTCAM CONNECTORS

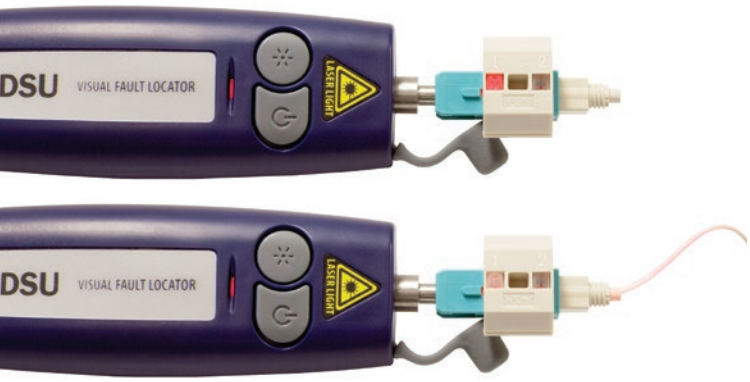
- Pre-polished, field-installable connectors
- Use precision zirconia ferrules
- Require no polishing or epoxy curing; provide immediate termination
- Precision mechanical termination uses moulded v-groove technology to retain and align the fibre
- Terminated on 250 µm or 900 µm buffered fibre and/or 2 or 3 mm jacketed fibre
- Higher yields with Visual Fault Locator (VFL)-compatible LC, SC, and ST connectors
- Available in OM1, OM2, OM3, OM4, OS2 UPC, and OS2 APC (SC only)

FastCAM Components

FASTCAM CONNECTORS – 1 PER BAG					
	DESCRIPTION	OS2 SINGLE-MODE	OM1 MULTIMODE	OM2 MULTIMODE	OM3 & OM4 LOMM
[A]	LC FastCAM Connector	49991-SLC (Blue)	49991-MLC (Beige)	49991-5LC (Black)	49991-LLC (Aqua)
[B]	SC FastCAM Connector	49991-SSC (Blue)	49991-MSC (Beige)	49991-5SC (Black)	49991-LSC (Aqua)
[C]	SC/APC FastCAM Connector*	49991-ASC (Green)	—	—	—
[D]	ST FastCAM Connector	49991-SST (Blue)	49991-MST (Beige)	49991-5ST (Black)	—
FASTCAM ACCESSORIES					
	FastCAM LC Duplex Clips	49991-CLP	49991-CLP	49991-CLP	49991-CLP

* Includes an internal 8° cleave for >60 dB return loss performance. Requires 8° cleave tool (see page B77, item L).
See pages B75-B78 for FastCAM tools and consumables.

SPOTLIGHT Visual Fault Locator (VFL)



The Leviton Visual Fault Locator (VFL) uses a bright red laser to locate faults in optical fibre, such as bends, breaks, and defective connectors. The VFL comes with a 2.5 mm interface for ST and SC type connectors and a 1.25 mm adaptor for LC type connectors, and soft carrying case. Use with LC, SC, and ST FastCAM connectors. The VFL is an ideal tool for first time users of FastCAM pre-polish connectors as it provides real-time visual feedback on success of fibre to fibre coupling just prior to activating the clamps.

A

B

C

FIELD POLISH CONNECTORS

- Anaerobic adhesive/epoxy field-polish connectors
- Hand polishing required
- Most robust connection, ideal for inside and outside plant applications
- Available in LC, SC, ST and FC connector styles
- LC simplex or duplex, for 900 µm, 2.0 mm to 3.0 mm cable, single-mode and multimode options
- SC simplex or duplex, for 900 µm, 2.0 mm to 3.0 mm cable, single-mode and multimode options
- ST for 900 µm, 2.0 mm to 3.0 mm cable, single-mode and multimode options
- FC for 900 µm, 2.0 mm to 3.0 mm cable, single-mode and multimode options

ANAEROBIC ADHESIVE FIELD POLISH CONNECTORS

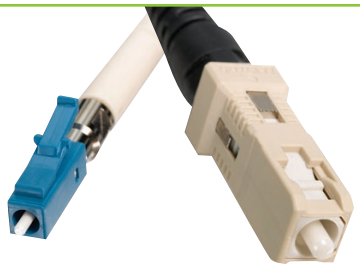
DESCRIPTION		SINGLE-MODE	APC SINGLE-MODE		MULTIMODE
LC Connector, Simplex, with 2 mm boot		FOCLSEPSM001 (blue)	FOCALEPSM001 (green)		FOCLSEPMM001 (beige)
LC Connector, Duplex, with 2 mm boot		FOCLCEPSM001 (blue)	—	[A]	FOCLCEPMM001 (beige)
LC Connector, Simplex, with 900 µm boot		FOCLSEPSM002 (blue)	FOCALEPSM002 (green)		FOCLSEPMM002 (beige)
LC Connector, Duplex, with 900 µm boot		—	—		FOCLCEPMM002 (beige)
LC Connector, Duplex, with 3 mm boot		—	—		FOCLCEPMM003 (beige)
SC Connector, Simplex, with 900 µm and 2.4-3.0 mm boots	[B]	FOCSCEPSM001 (blue)	FOCACEPSM001 (green)		FOCSCEPMM01 (beige)
SC Connector, Duplex, with 900 µm and 2.4-3.0 mm boots		FOCDCEPSM001 (blue)	—		FOCDCEPMM001 (beige)
SC Connector, Simplex, with 900 µm and 2.0 mm boots		FOCSCEPSM002 (blue)	—		FOCSCEPMM002 (beige)
SC Connector, Simplex, with 900 µm and 2.0 mm boots		FOCDCEPSM002 (blue)	—		FOCDCEPMM002 (beige)
ST Connector, with 900 µm and 3.0 mm boots		FOCSTEPSM001	—	[C]	FOCSTEPMM001
ST Connector, with 900 µm and 2.0 mm boots		FOCSTEPSM002	—		FOCSTEPMM002
FC Connector, with 900 µm and 3.0 mm boots		FOCFCEPSM001	FOCAFEPSM001		FOCFCEPMM001

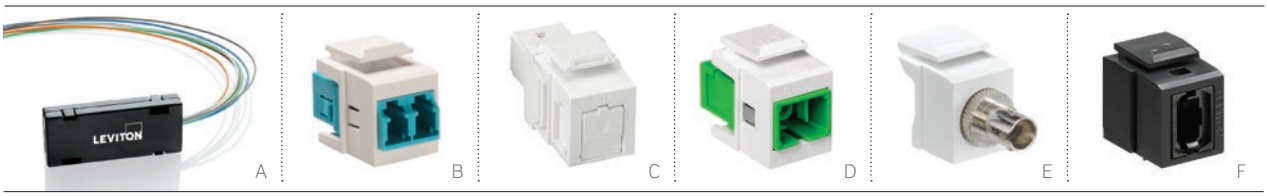
Note: See product data sheets (LC: GD102432, SC: GD102431, ST: GD1024230, GD102248) for product specifications including boot and body colours. Colours not listed may indicate multiple colours.

See pages B75-B78 for Field polish tools and consumables.

SPOTLIGHT Ceramic vs. Polymer Ferrules

Fibre optic ferrules, which ensure accurate alignment of fibre-to-fibre core interfaces, can be constructed of zirconia ceramic or polymer composites. While the two materials offer comparable performance in several areas, ceramic ferrules are superior in the key attributes of reliability (withstanding day-to-day environmental stressors) and durability (withstanding repeated matings/moves, adds, and changes). Leviton builds its connectors using only ceramic ferrules, so our customers can be assured of the best fibre connector performance in any application.





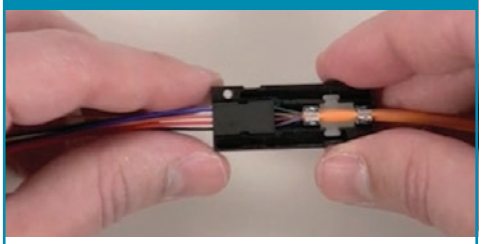
FIBRE OPTIC FAN-OUT KITS

- Protect bare fibre and prepare loose-tube cable for direct termination to industry-standard connectors
- Separate 250 µm fibres and route into colour-coded 900 µm buffer tubes with no proprietary tools
- Available in 6- or 12-strand kits and 24- or 36-inch lengths
- Works with cabling from any manufacturer (will accommodate maximum buffer-tube diameter up to 3.5 mm)

QUICKPORT FIBRE ADAPTORS

- Snap into all QuickPort openings and Multimedia Outlet System (MOS) housings, see pages C3-C4.
- Tool-free plug-n-play installation

WATCH: INSTALLATION VIDEOS



Leviton.com/ns/videos
'How to Terminate the Fan-Out Kit'

FIBRE OPTIC FAN-OUT KITS		
	DESCRIPTION	PART NO.
[A]	24-Inch Fibre Optic Fan-Out Kit, 6-fibre*	49887-06S
	24-Inch Fibre Optic Fan-Out Kit, 12-fibre*	49887-12S
	36-Inch Fibre Optic Fan-Out Kit, 6-fibre*	49887-06L
	36-Inch Fibre Optic Fan-Out Kit, 12-fibre*	49887-12L
	Fan-Out Consumables Kit*	49800-FAN

QUICKPORT FIBRE ADAPTORS		
	DESCRIPTION	PART NO.
	QuickPort Duplex LC Adaptor, MM, zirconia ceramic sleeve, Beige*	41085-ML^
[B]	QuickPort Duplex LC Adaptor, OM3, zirconia ceramic sleeve, Aqua*	41085-LL^
	QuickPort Duplex LC Adaptor, SM, zirconia ceramic sleeve, Blue*	41085-SL^
[C]	QuickPort Simplex SC Shuttered Adaptor, SM/MM, zirconia ceramic*	41085-S^C
[D]	QuickPort Simplex SC/APC Adaptor, SM/MM, zirconia ceramic*	41085-AS^
[E]	QuickPort ST Fibre Optic Adaptor, SM/MM, zirconia ceramic sleeve*	41084-S^Z
[F]	MTP® QuickPort Adaptor, SM/MM, key up to key down, black*	41085-TPE
	MTP® QuickPort Adaptor, SM/MM, key up to key up, black*	41085-TBE

*** = Minimum order quantity and lead times may apply.**
^ = Colours: Choose from any of the colours below.

White (W) Black (E)

FEATURED PRODUCTS

Visual Fault Locator (VFL) **B77**

Cleavers **B77**

Tools & Consumables

Different termination technologies require unique tools. Leviton has everything you need to terminate anaerobic adhesive field polish and FastCAM® pre-polished connectors. We also offer cleaning tools for LC, SC, and MTP® connectors. Choose from complete kits, or mix and match individual tools and a wide variety of consumables.

VISUAL FAULT LOCATOR (VFL)

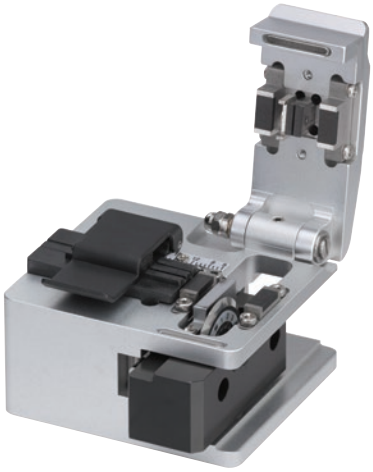
Quickly locate optical fibre damage with the Leviton Visual Fault Locator (VFL). The pocket-sized tool uses a bright red laser to locate faults, including tight bends, breaks, and defective connectors. The VFL comes with a 2.5 mm interface for ST and SC type connectors and a 1.25 mm adaptor for LC type connectors, and soft carrying case. Use with FastCAM® LC and SC connectors for enhanced terminations. The VFL is an ideal tool for first time users of FastCAM pre-polish connectors as it provides real-time visual feedback on success of fibre to fibre coupling just prior to activating the clamps. See page B77 for part numbers.

LEVITON 200X INSPECTION SCOPES

Reduce the chances of over-polishing with Leviton's high-powered inspection scopes. View single-mode and multimode end-face polishes safely with our oblique viewing technology; full laser eye protection is provided through wavelengths of 850–1550 nanometres (nm). Rugged metal and rubber construction stands up to job-site abuse while offering an ergonomic grip. See page B77.

FASTCAM TERMINATION TOOLS

FastCAM terminations and fusion splicing both require precision cleaving. Get the accuracy you need with the cleaver. A cleave angle of 90 degree +/- 0.5 degree is guaranteed; the 16-position blade remains sharp through approximately 48,000 cleaves. For a self-contained workspace, mount the cleaver to the optional work tray and use the gooseneck LED for task lighting. The Leviton APC Angled Cleaver is required for APC single-mode FastCAM connectors. See page B77.



ONLINE TRAINING VIDEOS & ANIMATIONS

Increase your expertise with Leviton's online fibre training. Step-by-step instructions on terminating FastCAM 250 µm and 900 µm fibre or using our fan-out kit, are available with just a click of the mouse. All of Leviton's training animations feature clear, easy-to-understand graphics paired with on-screen written instructions for maximum effectiveness. Visit Leviton.com/ns/support.

FIBRE OPTIC LIGHT TOOL KIT

- Essential tool set for quick termination of field polish connectors
- Terminates both multimode and single-mode fibre

FIBRE OPTIC FIELD POLISH TOOL KIT

- All the tools you need for terminating multimode or single-mode LC, SC, or ST adhesive connectors
- Adhesive/accelerator kit sold separately, see page B78

FIBRE OPTIC FASTCAM® TOOL KIT

- Precision cleaving for guaranteed FastCAM connector performance
- Terminates both multimode and single-mode Fibre

Note: Consumables sold separately. See page B78.

FIBRE OPTIC TOOL KITS		
DESCRIPTION		PART NO.
[A]	Basic Field Polish Tool Kit	49800-MTK
[B]	Field Polish Tool Kit	49800-FTK
[C]	FastCAM Tool Kit with Cleaver, Work Tray, and LED Light*	49800-LAK
[D]	FastCAM Tool Kit with CT-30A Cleaver (cleaver shown on page B77)	49800-SMK
	FastCAM Tool Kit with Cleaver*	49800-MSK

*** = Minimum order quantity and lead times may apply.**
Individual consumables available on page B78.
Note: Adhesive/accelerator tool kit sold separately. See page B78.

FIBRE OPTIC TOOL KITS CONTENTS	FIELD POLISH TOOL KITS		FASTCAM® TOOL KITS		
	[A] 49800-MTK	[B] 49800-FTK	[C] 49800-LAK	[D] 49800-SMK	49800-MSK
Tool Kit Carrying Case (49886-FCC)	•	•	•	•	•
250 and 900 µm Buffer Remover (49886-BR2)		•	•	•	•
Fibre & Jacket Strip Tool, 250/900 micron and 2.0/3.0 mm (49886-BR3)	•	•			
Jacket Stripper (49886-STP)	•	•			
Aramid Strand Scissors (49886-SIS)	•	•			
Safety Glasses (not sold separately)		•			
Polishing Puck 1.25 mm, LC (49886-LCP)	•	•			
Polishing Puck 2.5 mm, SC/ST (49886-PUC)	•	•			
Polishing Pad 7.6 cm x 15.2 cm (49886-PAD)	•	•			
Sapphire Scribe (49886-SCR)	•	•			
Fibre Cleaver Lynx (49886-LNX)			•		•
Fibre Cleaver CT-30A (49886-CTA)				•	
100x Inspection Scope (49886-SCP)	•				
200x Inspection Scope (49886-FSP)		•			
LC Scope Adaptor, works with 200x scope only (49886-LCS)		•			
Piano Clearing Wire, included in the FTK (49886-WRE)		•			
Lint-Free Dry Wipes, 100 per pack (49886-DWP)		•	•	•	•
Alcohol Pads, 100 per pack (49886-APD)		•	•	•	•
Lapping Film 12 µm AL2O3, 100 per pack (49886-12F)		•			
Lapping Film 3 µm AL2O3, 100 per pack (49886-03F)		•			
Lapping Film 0.3 µm AL2O3, 100 per pack (49886-X3F)		•			
Crimp Tool (49886-FCT)		•			
Light LED Magnetic Gooseneck (49886-LGN)			•		
Work Tray Zinc Plated Steel (49886-LNT)			•		

SPOTLIGHT Cincinnati Bell Technology Solutions (CBTS) Scores with Comprehensive Data Centre Services

CBTS counts several hundred Cincinnati-area businesses, from small shops to Fortune 500 companies, among its customers. And with a constant demand for colocation and virtual data centre services, CBTS required a top-quality infrastructure to achieve the reliability needed for expanding its critical data centre environment. After evaluating several options, CBTS chose Leviton connectivity for its quality, reliability, and outstanding performance. Plus, in addition to meeting needs, Leviton took it one step further by developing its custom solutions for unique data centre applications.

TOOLS & CONSUMABLES | Fibre Optic Tools

UNIVERSAL TOOLS & ACCESSORIES

	DESCRIPTION	PART NO.
[A]	250 and 900 µm Buffer Remover (yellow handle)*	49886-BR2
[B]	Stripper 2.0/3.0 mm Jacket and 250/900 µm Buffer*	49886-BR3
[C]	Jacket Stripper*	49886-STP
[D]	Aramid Strand Scissors*	49886-SIS
	Sapphire Scribe*	49886-SCR
	1.25 mm (LC) Polishing Puck*	49886-LCP
	2.5 mm (SC/ST) Polishing Puck*	49886-PUC
	3" x 6" Polishing Pad*	49886-PAD
	Tool Kit Carrying Case*	49886-CSE
	Safety Pad*	49886-SPD
[E]	200x Inspection Scope*	49886-FSP
[F]	LC Scope Adaptor (works with 200x scope only)*	49886-LCS
	Duplex LC Scope Adaptor (works with 200x scope only)*	49886-LCD
[G]	MTP® Scope Adaptor (works with 200x scope only)*	49886-MCS
	Fibre Optic Crimp Tool with .128/.151/.178 hex die*	49886-FCT
	Tool Kit Carrying Case*	49886-FCC
[H]	MTP Cassette Cleaning Tool*	49886-MCT
[I]	LC Connector Cleaning Tool*	49886-LCT
[J]	SC Connector Cleaning Tool*	49886-SCT
[K]	MTP Connector Cleaning Tool (female)*	49886-UFT
	MTP Connector Cleaning Tool (male)*	49886-UMT
	MTP Connector Cleaning Tool Refill (male)*	49886-MCR

*** = Minimum order quantity and lead times may apply.**

FASTCAM® SPECIFIC TOOLS

	DESCRIPTION	PART NO.
	Work Tray^	49886-LNT
	Gooseneck LED^	49886-LGN
[L]	APC Angled Cleaver	49886-APC
[M]	Flat Cleaver	49886-LNX
[N]	Fujikura CT-30A Cleaver^	49886-CTA
[O]	Visual Fault Locator (VFL) (2.5 mm and 1.25 mm adaptors included)	49886-VFL
	Replacement 1.25 mm Adaptor for VFL	49886-FLA

^ = Minimum order quantity and lead times may apply.

LEARN: CLEANING INSTRUCTIONS

Protect your investment and make sure you get the network performance you expect when you CL.I.C. – CLean, Inspect, Connect.

See page B43 or visit Leviton.com/clic for directions.

A

B

C

D

UNIVERSAL CONSUMABLES KIT

All the basic supplies needed to clean and polish fibre optic connectors. Set includes:

- 50 lint-free dry wipes
- 50 alcohol pads
- 30 sheets 12 µm lapping film
- 30 sheets 3 µm lapping film
- 30 sheets 0.3 µm lapping film
- Piano wire

ADHESIVE/ACCELERATOR KIT

Supply sufficeint for approximately 200 terminations. Set includes:

- Loctite 680 adhesive
- Loctite 7649 accelerator with syringe
- Two needles

ANAEROBIC ADHESIVE FIELD POLISH CONSUMABLES KIT

Everything from the Universal Kit, plus specialised supplies for anaerobic adhesive field polish terminations. Supply sufficeint for approximately 200 terminations. Additional included items:

- 25 syringes
- 25 needles
- Adhesive and accelerator

FAN-OUT CONSUMABLES KIT

Kit terminates a minimum of 10-fibre Optic Fan-Out Kits. Set includes:

- 20 lint-free dry wipes
- 10 alcohol pads
- 10 D'Gel® packets
- Sealant
- Talc powder

CONSUMABLES KITS		
DESCRIPTION		PART NO.
[A]	Universal Consumables Kit	49800-CON
[B]	Field Polish Consumables Kit	49800-FCC
[C]	Adhesive/Accelerator Kit	49800-680
[D]	Fan-Out Consumables Kit	49800-FAN
CONSUMABLES		
	Piano Wire	49886-WRE
	Lint-Free Dry Wipes (100 per pack)	49886-DWP
	Alcohol Pads (100 per pack)	49886-APD
	12 µm Aluminium-Oxide Lapping Film, pink (100 per pack)	49886-12F
	3 µm Aluminium-Oxide Lapping Film, yellow (100 per pack)	49886-03F
	0.3 µm Aluminium-Oxide Lapping Film, light blue (100 per pack)	49886-X3F
	Replacement Needles (25 per pack)	49886-FCN
	Replacement Syringes (25 per pack)	49886-SYR