

UniCam® High-Performance Connectors, Multimode and Single-Mode

CORNING

Features and Benefits

Broad operating temperature (-40° to +75°C)

Utility and flexibility

Factory-polished end face

Consistent optical performance

Fast termination and no consumables

Low installation cost

Minimum insertion loss

Optimum optical performance

Performance assurance

100 percent yield assured

Standards

Intermateability

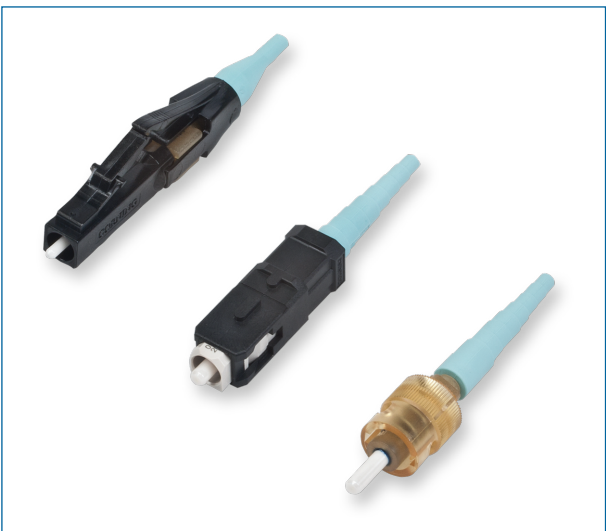
Connectors are FOCIS compliant with TIA/EIA 604-10A (LC); TIA/EIA 604-3 (SC); TIA/EIA 604-2 (ST® Compatible Connectors)

Approvals and Listings

Passed EIA/TIA 568-B.3

Corning's UniCam® high-performance connectors offer best-in-class optical performance in a fast, easy field-termination solution. These high-precision zirconia ceramic ferrule connectors provide an exceptional insertion loss – 0.2 dB typical/0.5 dB maximum per connector pair for multimode, 0.3 dB typical/0.5 dB maximum per connector pair for single-mode. Installation of an LC, SC or ST® compatible connector can be accomplished in about 50 seconds to one minute with the UniCam high-performance tool kit 2.

The hand-held installation tool, animated step-by-step guidance and high-performance precision cleaver virtually eliminate human variability during installation, ensuring terminations are right the first time, every time. This kit was designed with consideration for network installers from the intuitive, hand-held precision cleaver with dual-clamp arms, to the installation tool, with its immediate go/no-go feedback signal indicating proper mating of the field fibre to the fibre stub. Installation is as easy as strip, clean, cleave, cam and crimp with exceptional optical performance assured. Every UniCam® connector is assured to meet the published specification at the time of installation or Corning will replace it.



UniCam High-Performance Multimode Connectors
| Photo CRR1245



UniCam High-Performance Tool Kit 2
| Photo LAN9252

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UniCam High-Performance Single-mode Connectors | Photo CRR1247



UniCam Z-Pak Organizers | Photo LAN1675

Specifications

Multimode Connectors						
	Fibre Category	Insertion loss, typical	Insertion Loss, Maximum	Reflectance	Housing Colour	Boot colour
LC	62.5 µm MM (OM1)	0.2 dB	0.5 dB	≤ -26 dB	Beige	Beige
LC	50 µm MM (OM2)	0.2 dB	0.5 dB	≤ -26 dB	Black	Black
LC	50 µm MM (OM3/OM4)	0.2 dB	0.5 dB	≤ -26 dB	Black	Turquoise
SC	62.5 µm MM (OM1)	0.2 dB	0.5 dB	≤ -26 dB	Beige	Beige
SC	50 µm MM (OM2)	0.2 dB	0.5 dB	≤ -26 dB	Black	Black
SC	50 µm MM (OM3/OM4)	0.2 dB	0.5 dB	≤ -26 dB	Black	Turquoise
ST® Compatible	62.5 µm MM (OM1)	0.2 dB	0.5 dB	≤ -26 dB	Amber	Beige
ST® Compatible	50 µm MM (OM2)	0.2 dB	0.5 dB	≤ -26 dB	Amber	Black
ST® Compatible	50 µm MM (OM3/OM4)	0.2 dB	0.5 dB	≤ -26 dB	Amber	Turquoise

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Single-mode

	Polish	Insertion loss, typical	Insertion Loss, Maximum	Reflectance	Housing Colour	Boot Colour
LC	UPC	0.3 dB	0.5 dB	≤ -50 dB	Blue	Blue
LC APC	APC	0.4 dB	0.75 dB	≤ -55 dB	Green	Green
SC	UPC	0.3 dB	0.5 dB	≤ -50 dB	Blue	Blue
SC APC	APC	0.4 dB	0.75 dB	≤ -55 dB	Green	Green
ST® Compatible	UPC	0.3 dB	0.5 dB	≤ -50 dB	Amber	Blue

Operating Temperature	-40 °C to 75 °C exceeding EIA/TIA 568-B.3
Durability	0.2 dB
Tensile strength jacketed cable	10 lb ≤ 0.2 dB change on jacketed cable exceeds; 0.5 lb ≤ 0.2 dB change on 900 µm cable; FOTP-6

LC Connectors

Part Number	Description	Units Per Delivery
95-050-99-X	UniCam® High-Performance Connector, LC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, black housing, turquoise boot	1/1
95-050-99-X-Z	UniCam® High-Performance Connector, LC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organiser pack, black housing, turquoise boot	25/1
95-050-99	UniCam® High-Performance Connector, LC, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, black housing, black boot	1/1
95-050-99-Z	UniCam® High-Performance Connector, LC, 50 µm multimode (OM2), ceramic ferrule, logo, organiser pack, black housing, black boot	25/1
95-000-99	UniCam® High-Performance Connector, LC, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, beige housing, beige boot	1/1
95-000-99-Z	UniCam® High-Performance Connector, LC, 62.5 µm multimode (OM1), ceramic ferrule, logo, organiser pack, beige housing, beige boot	25/1
95-200-99	UniCam® High-Performance Connector, LC, single-mode (OS2), ceramic ferrule, logo, single pack, blue housing, blue boot	1/1
95-200-99-Z	UniCam® High-Performance Connector, LC, single-mode (OS2), ceramic ferrule, logo, organiser pack, blue housing, blue boot	25/1
95-200-94	UniCam® High-Performance Connector, LC APC, single-mode (OS2), ceramic ferrule, logo, single pack, green housing, green boot	1/1
95-200-94-Z	UniCam® High-Performance Connector, LC APC, single-mode (OS2), ceramic ferrule, logo, organiser pack, green housing, green boot	25/1

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SC Connectors

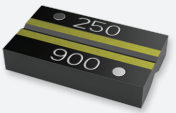
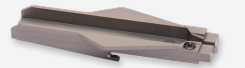
Part Number	Description	Units Per Delivery
95-050-41-X	UniCam® High-Performance Connector, SC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, black housing, turquoise boot	1/1
95-050-41-X-Z	UniCam® High-Performance Connector, SC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organiser pack, black housing, turquoise boot	25/1
95-050-41	UniCam® High-Performance Connector, SC, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, black housing, black boot	1/1
95-050-41-Z	UniCam® High-Performance Connector, SC, 50 µm multimode (OM2), ceramic ferrule, logo, organiser pack, black housing, black boot	25/1
95-000-41	UniCam® High-Performance Connector, SC, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, beige housing, beige boot	1/1
95-000-41-Z	UniCam® High-Performance Connector, SC, 62.5 µm multimode (OM1), ceramic ferrule, logo, organiser pack, beige housing, beige boot	25/1
95-200-41	UniCam® High-Performance Connector, SC, single-mode (OS2), ceramic ferrule, logo, single pack, blue housing, blue boot	1/1
95-200-41-Z	UniCam® High-Performance Connector, SC, single-mode (OS2), ceramic ferrule, logo, organiser pack, blue housing, blue boot	25/1
95-200-44	UniCam® High-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, single pack, green housing, green boot	1/1
95-200-44-Z	UniCam® High-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, organizer pack	25/1

ST® Compatible Connectors

Part Number	Description	Units Per Delivery
95-050-51-X	UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, amber housing, aqua boot	1/1
95-050-51-X-Z	UniCam® High-Performance Connector, ST® compatible, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organiser pack, amber housing, turquoise boot	25/1
95-050-51	UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, amber housing, black boot	1/1
95-050-51-Z	UniCam® High-Performance Connector, ST® compatible, 50 µm multimode (OM2), ceramic ferrule, logo, organiser pack, amber housing, black boot	25/1
95-000-51	UniCam® High-Performance Connector, ST® Compatible, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, amber housing, beige boot	1/1
95-000-51-Z	UniCam® High-Performance Connector, ST® compatible, 62.5 µm multimode (OM1), ceramic ferrule, logo, organiser pack, amber housing, beige boot	25/1
95-200-51	UniCam® High-Performance Connector, ST® Compatible, single-mode (OS2), ceramic ferrule, logo, single pack, amber housing, blue boot	1/1
95-200-51-Z	UniCam® High-Performance Connector, ST® compatible, single-mode (OS2), ceramic ferrule, logo, organiser pack, amber housing, blue boot	25/1

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Part Number	Product Description	Units Per Delivery	
TKT-UNICAM-PFC2	UniCam® High-Performance Tool Kit 2: includes high-performance installation tool 2 for termination of multimode and single-mode LC, SC and ST® compatible connectors; includes high-performance precision flat cleaver, 7" LCD video panel, and all required fibre preparation, cleaning tools and materials	1/1	
TKT-UNICAM-PFC	UniCam® High-Performance Tool Kit: includes high-performance installation tool for termination of multimode and single-mode LC, SC and ST® compatible connectors; includes high-performance precision flat cleaver, 1.25 and 2.50 mm VFL ferrule adapters and all required fibre preparation, cleaning tools and materials	1/1	
TKT-UNICAM	UniCam® Standard-Performance Installation Tool Kit: Includes standard-performance installation tool for termination of multimode and single-mode LC, SC and ST® compatible connectors. Includes score-and-snap FBC-002 cleaver, continuity test set (CTS) with jumpers and adapters; also includes all required fibre preparation, cleaning tools and materials. CTS light source VFL-350 sold separately.	1/1	
FBC-007	UniCam® High-Performance Precision Flat Cleaver	1/1	
HAN-INT	Fibre Handler for fan-out tubing and direct 250 µm applications	1/1	
HAN-TRACK	Track for UniCam® and OptiSnap® Flat Cleavers	1/1	
HAN-UNI	Fibre Handler for fan-out tubing and direct 250 µm applications	1/1	

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Part Number	Product Description	Units Per Delivery	
HAN-STANDARD	Double-sided Fibre Handler for tight-buffered fibre and jacketed cable (UniCam® high-performance flat cleaver FBC-007)	1/1	
FBC-14-15-16-BLADE	Replacement Diamond Blade for the high-performance precision flat cleaver	1/1	
VFL-A125	LC VFL adapter for 1.25 mm ferrules (for high-performance installation tool only)	1/1	
VFL-A250	SC and ST® compatible VFL Adapter 2.5 mm ferrules (Unicam® high-performance installation tool only)	1/1	
VFL-AKIT	VFL Adapter Kit for high-performance installation tool	1/1	
VFL-350	Visual Fault Locator, 635 nm penlight style	1/1	
TL-UC01	UniCam® Standard-Performance Installation Tool	1/1	

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Part Number	Product Description	Units Per Delivery	
TL-UCP	UniCam® High-Performance Connector Installation Tool with integrated continuity test set (CTS)	1/1	
TL-UCP2	UniCam® High-Performance Connector Installation Tool 2 with integrated continuity test set (CTS) and animated step-by-step guidance	1/1	

Cleaning Accessories

Part Number	Product Description	Units Per Delivery	
FCC-WIPES	Lint-free Cleaning Wipes, canister of 90	90/1	
FCC-CLEANER-FIBER	Fibre Optic Cleaning Fluid, 3 oz can	1/1	
CLEANER-PORT-2.5	Single-fibre Port Cleaner for all 2.5 mm ferruled connectors such as FC, SC and ST® compatible; effective for PC, UPC and APC polishes	1/1	

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Cleaning Accessories

Part Number	Product Description	Units Per Delivery	
CLEANER-PORT-LC	Single-fibre Port Cleaner for LC, keyed LC, and MU connector end faces for both UPC and APC polishes	1/1	
CLEAN-STICKS-125	Fibre Optic Cleaning Sticks, package of 10 sticks, 1.25 mm	10/1	
CLEAN-STICKS-250	Fibre Optic Cleaning sticks, package of 10 sticks, 2.5 mm	10/1	

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