

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

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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

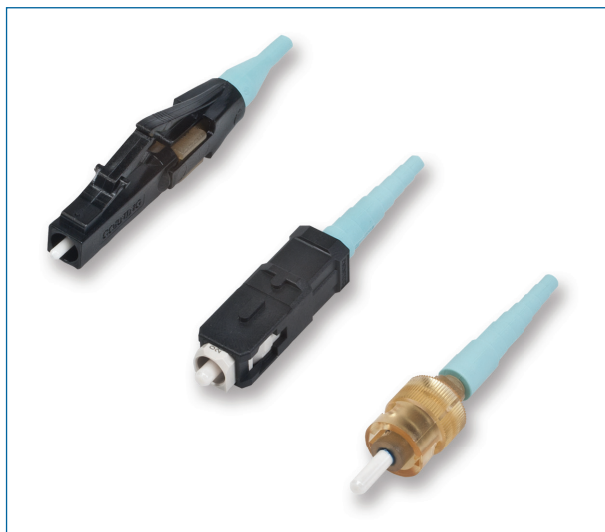
Performance assurance
100 percent yield assured

Standards

Intermateability	Connectors are FOCIS compliant with TIA/EIA 604-10A (LC); TIA/EIA 604-3 (SC); TIA/EIA 604-2 (ST® Compatible Connectors)
Approval and Listings	Passed EIA/TIA 568-B.3

Corning UniCam® high-performance connectors offer best-in-class optical performance in a fast, easy field-termination solution. These high-precision zirconia ceramic ferrule connectors assured exceptional insertion loss – 0.1 dB typical/0.5 dB maximum per connector pair for multimode, 0.2 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.

The lightweight, hand-held installation tool 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 cleaver, with its intuitive, hand-held precision design and dual-clamp precision hold, to the installation tool, with its immediate go/no-go feedback signal indicating proper mating of the field fiber to the fiber 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
| Photo LAN3334

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Specifications

Multimode Connectors						
	Fiber Category	Insertion Loss, Typical	Insertion Loss, Maximum	Reflectance	Housing Color	Boot Color
LC	62.5 μ m MM (OM1)	0.1 dB	0.5 dB	≤ -26 dB	Beige	Beige
LC	50 μ m MM (OM2)	0.1 dB	0.5 dB	≤ -26 dB	Black	Black
LC	50 μ m MM (OM3/OM4 compatible)	0.1 dB	0.50 dB	≤ -26 dB	Black	Aqua
SC	62.5 μ m MM (OM1)	0.1 dB	0.5 dB	≤ -26 dB	Beige	Beige
SC	50 μ m MM (OM2)	0.1 dB	0.5 dB	≤ -26 dB	Black	Black
SC	50 μ m MM (OM3/OM4 compatible)	0.1 dB	0.5 dB	≤ -26 dB	Black	Aqua
ST® Compatible	62.5 μ m MM (OM1)	0.1 dB	0.5 dB	≤ -26 dB	Amber	Beige

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Multimode Connectors

	Fiber Category	Insertion Loss, Typical	Insertion Loss, Maximum	Reflectance	Housing Color	Boot Color
ST® Compatible	50 µm MM (OM2)	0.1 dB	0.5 dB	≤ -26 dB	Amber	Black
ST® Compatible	50 µm MM (OM3/OM4 compatible)	0.1 dB	0.5 dB	≤ -26 dB	Amber	Aqua

Single-Mode

	Polish	Insertion Loss, Typical	Insertion Loss, Maximum	Reflectance	Housing Color	Boot Color
LC	SPC	0.2 dB	0.5 dB	≤ -40 dB	Blue	white
LC	UPC	0.2 dB	0.5 dB	≤ -55 dB	Blue	Blue
SC	SPC	0.2 dB	0.5 dB	≤ -40 dB	Blue	white
SC	UPC	0.2 dB	0.5 dB	≤ -55 dB	Blue	Blue
ST® Compatible	SPC	0.2 dB	0.5 dB	≤ -40 dB	Amber	white
ST® Compatible	UPC	0.2 dB	0.5 dB	≤ -55 dB	Amber	Blue

Operating Temperature	-40 °C to 75 °C exceeding EIA/TIA 568-B.3
Durability	0.2 dB change, 500 rematings, FOTP-21
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

Ordering Information

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, aqua boot	1/1
95-050-99-X-Z	UniCam® High-Performance Connector, LC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organizer pack, black housing, aqua 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, organizer pack, black housing, black boot	25/1

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Ordering Information

Part Number	Description	Units per Delivery
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, organizer 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, organizer 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, organizer pack, green housing, green boot	25/1

SC Connectors

Ordering Information

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, aqua boot	1/1
95-050-41-X-Z	UniCam® High-Performance Connector, SC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organizer pack, black housing, aqua 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, organizer 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, organizer pack, beige housing, beige boot	25/1

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Ordering Information

Part Number	Description	Units per Delivery
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, organizer pack, blue housing, blue boot	25/1
95-200-44	UniCam® Standard-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, single pack, green housing, green boot	1/1
95-200-44-Z	UniCam® Standard-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, organizer pack	25/1

ST® Compatible Connectors

Ordering Information

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, organizer pack, amber housing, aqua 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, organizer 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, organizer 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, organizer pack, amber housing, blue boot	25/1

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Tool Kits and Accessories

Part Number	Product Description	Units per Delivery	
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 fiber preparation, cleaning tools and materials	1/1	
TKT-UNICAM	Standard Installation Tool Kit for single-fiber UniCam® Connectors, terminates LC, SC and ST® Compatible Connectors; includes FBC-002 basic cleaver, continuity test set (CTS) with adapters; includes all required fiber preparation, cleaning tools and materials	1/1	
FBC-007	UniCam® High-Performance Precision Flat Cleaver	1/1	
HAN-TRACK	Fiber Handlers and Track for UniCam® and OptiSnap® Flat Cleavers	1/1	
HAN-UNI	Fiber Handler for fan-out tubing and direct 250 µm applications.	1/1	
HAN-STANDARD	Double-sided Fiber Handler for tight-buffered 900 µm and jacketed cable for 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 UniCam® High-Performance Installation Tool only)	1/1	
VFL-A250	SC and ST® Compatible VFL Adapter for 2.5 mm ferrules for UniCam® High-performance Installation Tool only	1/1	

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Tool Kits and Accessories

Part Number	Product Description	Units per Delivery	
VFL-AKIT	UniCam® VFL Adapter Kit for High-performance Installation Tool	1/1	
TER-CTS-LC	CTS Adapter for UniCam® LC Connectors	1/1	
TER-CTS-SC	CTS Adapter for UniCam® SC Connectors	1/1	
TER-CTS-ST	CTS Adapter for UniCam® ST® Compatible Connectors	1/1	
VFL-350	Visual Fault Locator, 635 nm penlight style	1/1	
TL-UC01	UniCam® Standard-performance Installation Tool	1/1	
TL-UCP	UniCam® High-performance Connector Installation Tool with integrated continuity test set (CTS)	1/1	

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Cleaning Accessories

Part Number	Product Description	Units per Delivery	
FCC-WIPES	Lint-free Cleaning Wipes, canister of 90	90/1	
FCC-CLEANER-FIBER	Fiber Optic Cleaning Fluid, 3 oz can	1/1	
CLEANER-PORT-2.5	Single-fiber Port Cleaner for all 2.5 mm ferruled connectors such as FC, SC and ST® Compatible Connectors; effective for PC, UPC and APC polishes	1/1	
CLEANER-PORT-1.5	Single-fiber Port Cleaver for 1.5 mm ferruled LC connectors	1/1	

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