UniCam® Pretium™-Performance Single-Mode Connectors LC, SC, ST® Compatible

A LANscape® Pretium Solutions Product

Applications

- Local area networks, including main cross-connect, intermediate cross-connect, horizontal cross-connect
- Ideal for fiber-to-the-workstation applications where installation setup and teardown time is critical
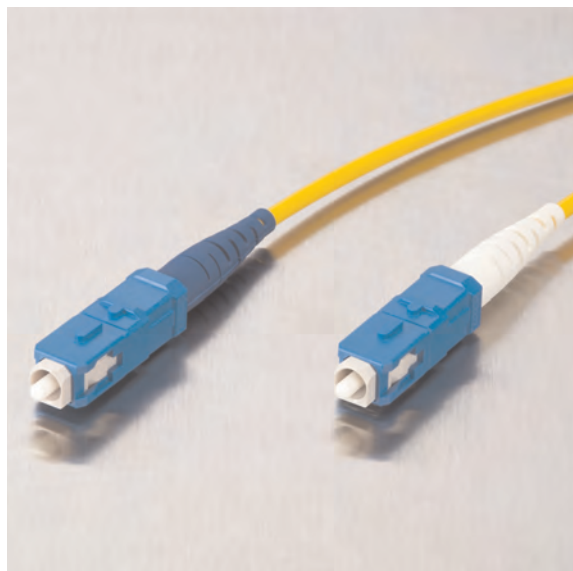- Anywhere low-loss connectivity is critical
- Data centers

Description

With UniCam® Pretium™-Performance Connectors, best-in-class optical performance is available in a fast, easy field-termination solution for single-mode fibers.

These patented, high-precision ceramic ferrule LC, SC and ST® Compatible single-mode connectors offer Pretium-performance capability – an outstanding 0.2 dB typical/0.5 dB maximum insertion loss per connector pair when installed with the UniCam Pretium Tool Kit. This lightweight, handheld installation tool and the high-performance cleaver virtually eliminate human variability from installation, for terminations that are performed right, the first time, every time. The result: the superior optical performance that you require for your most demanding single-mode applications.
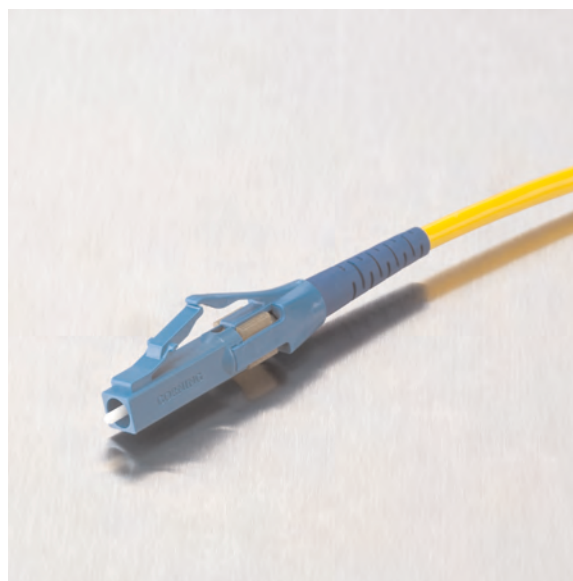
While UniCam Pretium-Performance Single-Mode Connectors are compatible with the standard UniCam Connectors Tool Kit, the true Pretium-performance capability of these connectors can only be guaranteed with the UniCam Pretium Tool Kit.

The UniCam Pretium Tool Kit can quickly install a UniCam Connector in about 45 seconds. From the cleaver, with its integrated fiber scrap bin and dual-clamp precision hold, to the installation tool with its immediate go/no-go feedback signal, the UniCam Pretium Tool Kit was thoughtfully designed with the needs of network installers in mind.

Installation is as easy as strip, clean, cleave, cam and crimp – with exceptional optical performance guaranteed. Every UniCam Connector is 100 percent guaranteed to meet the published specification at the time of installation, or Corning Cable Systems will replace it.

**UniCam Pretium-Performance
SC Single-Mode Connectors** | Photo LAN620

**UniCam Pretium-Performance
LC Single-Mode Connector** | Photo LAN625

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Product Specifications

UniCam® Pretium™-Performance Single-Mode Connectors LC, SC, ST® Compatible

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Features / Benefits

- Typical insertion loss of 0.2 dB and maximum insertion loss of 0.5 dB for best-in-class optical performance, when installed using the UniCam® Pretium™ Tool Kit

- Broad operating temperature range (-40° to +75°C) for true utility and flexibility, when installed using the UniCam Pretium Tool Kit

- UniCam Pretium Tool Kit virtually eliminates human variability in installation, ensuring consistent, reliable results

- Available in single packs and the new UniCam Connector organizer packs

- Fast termination, high-installation yields and no consumables mean lowest installed cost

- Factory-polished end-face for consistent optical performance and factory quality

- 100 percent factory tested for insertion loss

- 100 percent guaranteed*

- Direct 250 µm termination SC and LC connectors available

- Reliable, proven technology, with more than 40 million sold

* UniCam Connectors are guaranteed to meet the published specification at the time of installation.

UniCam Pretium Installation Tool | Photo LAN770

Pretium Cleaver | Photo LAN805

UniCam Connector Organizer Pack (Multimode SC Connectors shown)
Photo LAN809

UniCam Pretium Tool Kit | Photo LAN769

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Specifications

Connector Style	Polish	Insertion Loss Typical Maximum (dB)[1]	Reflectance (dB)[2]	Housing Color Code	Boot Color[3]
LC	SPC	0.2/.50	≤-40	Blue	White
LC	UPC	0.2/.50	-55	Blue	Blue
SC	SPC	0.2/.50	≤-40	Blue	White
SC	UPC	0.2/.50	-55	Blue	Blue
ST® Compatible	SPC	0.2/.50	≤-40	Amber	White
ST Compatible	UPC	0.2/.50	-55	Amber	Blue

[1] Insertion loss values given for installation using a UniCam® Pretium™ Tool Kit. When installed using a UniCam Connectors Standard Installation Tool Kit, the insertion loss values are 0.3 dB typical and 0.75 dB maximum.

[2] Reflectance values for SM are for 18° to 26°C.

[3] LC connectors are sold with one 900 µm boot, one 2.0/1.6 boot, and one 2.9 mm boot; SC and ST compatible connectors are sold with one 900 micron boot and one 2.9 mm boot.

Parameter	Description
Intermateability	Connectors are FOCIS compliant with TIA/EIA 604-10A (LC); TIA/EIA 604-3 (SC); TIA/EIA 604-2 (ST Compatible)
Qualification	Passed TIA/EIA 568-B.3
Durability	0.2 dB change, 500 rematings, FOTP-21
Tensile Strength	10 lb ≤ 0.2 dB change on jacketed cable; 0.5 lb ≤ 0.2 dB change on 900 µm cable; FOTP-6
Operating Temperature	-40° to +75°C, exceeding TIA/EIA 568-B.3

Ordering Information

Organizer packs are packs of 25 unassembled UniCam® Connectors separated into components.

Part Number	Description
LC Connectors	
95-200-96	UniCam Pretium™-Performance LC Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-96-Z	UniCam Pretium-Performance LC Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-99	UniCam Pretium-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-99-Z	UniCam Pretium-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-99P	UniCam Pretium-Performance LC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-99P-Z	UniCam Pretium-Performance LC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack
SC Connectors	
95-200-41	UniCam Pretium-Performance SC Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-41-Z	UniCam Pretium-Performance SC Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-42	UniCam Pretium-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-42-Z	UniCam Pretium-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-42P	UniCam Pretium-Performance SC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-42P-Z	UniCam Pretium-Performance SC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack

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Ordering Information (continued)

Organizer packs are packs of 25 unassembled UniCam® Connectors separated into components.

Part Number	Description
ST® Compatible Connectors	
95-200-51	UniCam Pretium-Performance ST® Compatible Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-51-Z	UniCam Pretium-Performance ST Compatible Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-52	UniCam Pretium-Performance ST Compatible Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-52-Z	UniCam Pretium-Performance ST Compatible Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack

Tool Kits and Accessories

TKT-UNICAM-PFC	UniCam Pretium Installation Tool Kit, includes UniCam Pretium Installation Tool, Pretium Flat Cleaver and all required fiber preparation and cleaning supplies
TKT-UNICAM	UniCam Connector Standard Installation Tool Kit, includes Score and Snap cleaver, installation tool and all required fiber preparation nand cleaning supplies
FBC-015	Pretium Cleaver, individual flat fiber cleaver
FBC-PRETIUM-BLADE	Replacement Blade for the Pretium Cleaver
VFL-A125	LC 1.25 mm Ferrule VFL Adapter (for UniCam Pretium Installation Tool only)
VFL-A250	SC and ST Compatible 2.5 mm ferrule VFL adapter (for UniCam Pretium Installation Tool only)
VFL-AKIT	LC 1.25 mm and SC and ST Compatible 2.5 mm Ferrule VFL Adapter (for UniCam Pretium Installation Tool only)
TER-CTS-SC	Continuity Test Set for SC Connectors
TER-CTS-ST	Continuity Test Set for ST Compatible Connectors
VFL-350	Visual Fault Locator
TL-UCP	UniCam Pretium Installation Tool
TL-UC01	UniCam Connector Elite™ Installation Tool
95-400-50-BP2N	2.0 mm SC boot, black, bulk pack of 100 boots
95-400-51-BP2N	2.0 mm ST Compatible/FC boot, blue, bulk pack of 100 boots
TKT-FCC	Fiber Cleaning Kit
CLEANR-TAPE-SFC	Woven cleaning tape for single-fiber connectors
FCC-WIPES	Canister of 90 lint-free cleaning wipes
FCC-CLEANER-FIBER	Fiber Optic Cleaning Fluid, 3 oz. can

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