

# UniCam® Single-Mode Connectors

A LANscape® Solutions Product

Corning  
Cable Systems

## Applications

- Easy termination of all standard single-mode fiber
- Field installation with excellent return loss
- Retrofit and upgrade existing systems
- Maintenance and restoration of building cable

## Description

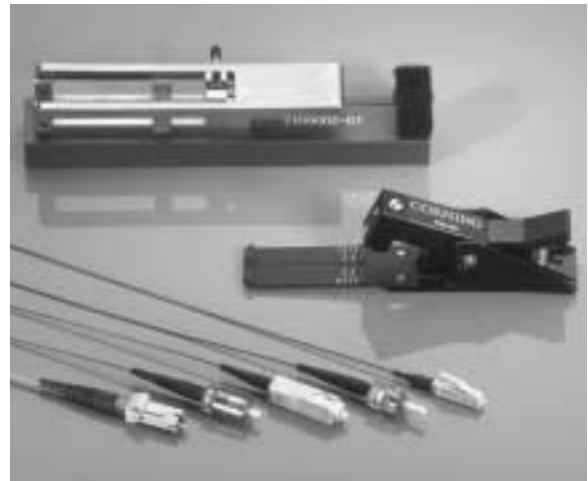
The UniCam® Connector is the ideal solution for all your field-installable single-mode fiber optic connector requirements. The quick installation reduces the total installed cost of connectorization, making the UniCam Connector cost-effective for all fiber applications, from the main cross-connect to the workstation. The single-mode UniCam Connector is the only pre-polished end-face, field-installable connector that can ensure reflectance performance in the field.

The UniCam LC Connector is the latest addition to the UniCam Connector family. A small-form-factor connector at half the size of the SC, the UniCam LC Connector doubles the density of the SC connector.

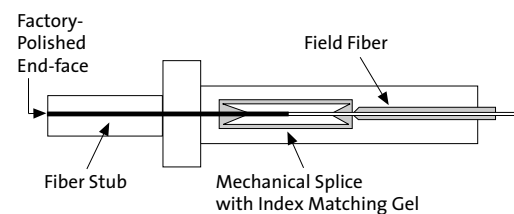
The UniCam Connector can best be described as a mini pig-tail. It incorporates a factory-installed fiber stub that is fully bonded into the ferrule. The other end is precisely cleaved and placed into the patented alignment mechanism of our mechanical splice. Both the field fiber and fiber stub are fully protected from environmental factors. Unlike other no-epoxy, field-installable connectors, the UniCam Connector requires no polishing.

## Features / Benefits

- No epoxy or polishing
- Installs in less than two minutes
- Reflectance performance of  $\leq -40$  dB for Super PC
- Ultra PC performance with reflectance performance average of  $-55$  dB



UniCam MT-RJ, FC, SC, ST® Compatible and LC Single-Mode Connectors  
| Photo LAN295



UniCam Single-Mode Connector Cross-Section | Drawing CPC-220/3/1

- Economical cost for all fiber terminations
- Low labor and no consumables for reduced total cost
- Ceramic ferrules for single-fiber UniCam Connector; composite ferrule used in MT-RJ
- Minimal tool kit, reduced setup time; universal assembly tool terminates all single- and 2-fiber UniCam Connector styles
- Two LC or MT-RJ connectors fit in the same space as a SC connector
- LC is springless, “junior” version
- Eliminates unnecessary cable slack and storage



Product Specifications

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## Specifications

Parameter	Description
<b>Intermateability</b>	Connectors are FOCIS compliant with TIA/EIA 604-2 (ST® compatible), 604-3 (SC), 604-10A (LC), 604-4 (FC) and 604-12 (MT-RJ)
<b>Insertion Loss</b>	0.3 dB average loss, FOTP-171
<b>Durability</b>	≤ 0.3 dB change for 500 rematings, FOTP-21
<b>Tensile Strength</b>	10 lb ≤ 0.2 dB change
<b>Temperature Cycling</b>	≤ 0.3 dB change, -40 to +75°C; 21 cycles
<b>Reflectance</b>	Super PC: ≤ -40 dB (+18° to +26°C) Ultra PC: average -55 dB (+18° to +26°C)

## Ordering Information

Part Number	Description
<b>95-200-41</b>	UniCam® SC Single-Mode Connector with Super PC polish
<b>95-200-42</b>	UniCam SC Single-Mode Connector with Ultra PC polish
<b>95-200-51</b>	UniCam ST Compatible Single-Mode Connector with Super PC polish
<b>95-200-52</b>	UniCam ST Compatible Single-Mode Connector with Ultra PC polish
<b>95-200-61</b>	UniCam FC Single-Mode Connector with Super PC polish
<b>95-200-62</b>	UniCam FC Single-Mode Connector with Ultra PC polish
<b>95-200-98</b>	UniCam LC Single-Mode Connector with Ultra PC polish, springless
<b>92-201-97-P-E</b>	UniCam MT-RJ Single-Mode Connector with pins
<b>92-201-97-NP-E</b>	UniCam MT-RJ Single-Mode Connector without pins



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## Ordering Information (continued)

### Accessories

Part Number	Description
<b>TKT-UNICAM</b>	Basic Installation Kit for single-fiber and 2-fiber UniCam® Connectors, terminates single-fiber ST® compatible, SC, LC and FC, as well as 2-fiber UniCam MT-RJ Connectors; includes FBC-001 Score and Snap cleaver
<b>TKT-UNICAM-CTS</b>	TKT-UNICAM plus splitter box, tool adapters and patch cords needed to add Continuity Test Set (CTS) functionality; visual fault locator not included
<b>TKT-UNICAM-ELITE</b>	Premium Installation Kit; consists of TKT-UNICAM-CTS with high-performance FBC-012 cleaver; includes single- and two-fiber handlers, visual fault locator and connector cleaning cassette; recommended for single-mode applications; does not include FBC-001 cleaver
<b>TEST-UNICAM-CTS</b>	Converts an existing TKT-UNICAM kit to add the Continuity Test Set (CTS) option; contains splitter box, SC, ST compatible, LC and MT-RJ CTS adapters and jumpers
<b>TKT-012-2F</b>	High-Performance FBC-012 Cleaver with 1- and 2-fiber handlers
<b>FBC-001</b>	Score and Snap Cleaver
<b>TL-UC01</b>	Elite UniCam Connector Installation Tool; terminates UniCam ST Compatible, SC, LC, FC and MT-RJ Single-mode and Multimode Connectors
<b>TER-CTS-MTRJ</b>	CTS Adapter for UniCam MT-RJ Connectors
<b>TER-CTS-SC</b>	CTS Adapter for UniCam SC Connectors
<b>TER-CTS-ST</b>	CTS Adapter for UniCam ST Compatible Connectors
<b>TER-CTS-LC</b>	CTS Adapter for UniCam LC Connectors
<b>VFL-350</b>	Visual Fault Locator, 635 nm penlight style
<b>586101R3131001M</b>	Jumper, ST compatible to SC single-mode and multimode, 1 m long (for VFL-to-CTS splitter box and UniCam ST compatible or SC Connectors)
<b>589802RJ110001M</b>	Jumper, SC to MT-RJ single-mode and multimode, 1 m long (for CTS splitter box-to-UniCam Connector Installation Tool)
<b>95-400-03-BP</b>	SC Duplex Clip (100 per pack)
<b>2104359-01</b>	Universal Connector Cleaning Cassette, cleans pinned and pinless connectors with ferrules
<b>TRIGGER-BP-D</b>	Trigger/Duplexing Clip for UniCam LC Connectors (100 per pack)
<b>026101R2131001M</b>	Jumper, LC to ST compatible single-mode and multimode, 1 m long (for VFL-to-UniCam LC Connector)
<b>588702RJ131001M</b>	Jumper, SC to MT-RJ (pinned) single-mode and multimode, 1 m long (for CTS splitter box-to-UniCam Connector Installation Tool)



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