

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

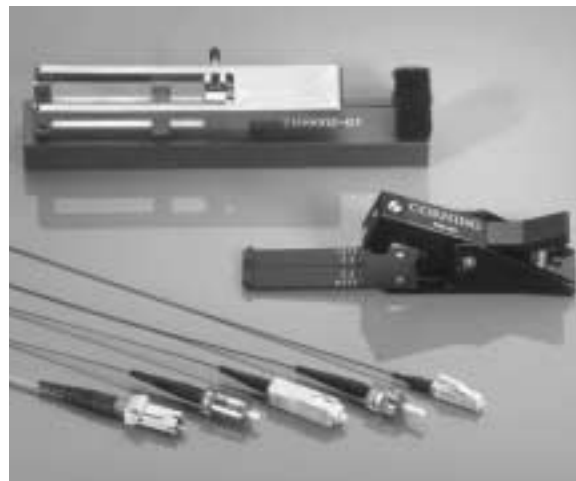
The UniCam® Connector is the ideal solution for all your field-installable single-mode fiber optic connector requirements. The quick installation reduces the total installed cost of connectorization, making the UniCam Connector cost-effective for all fiber applications, from the main cross-connect to 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.

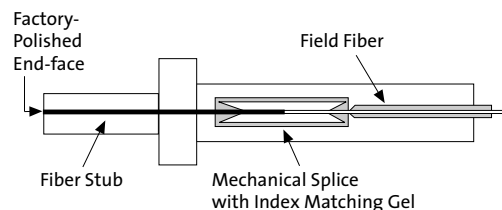
The UniCam Connector can best be described as a mini pig-tail. It incorporates a factory-installed fiber stub that is fully bonded into the ferrule. The other end is precisely cleaved and placed into the patented alignment mechanism of our mechanical splice. Both the field fiber and fiber stub are fully 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 ≤ -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

UniCam® Single-Mode Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Specifications

Parameter	Description
Intermateability	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)
Insertion Loss	0.3 dB average loss, FOTP-171
Durability	≤ 0.3 dB change for 500 rematings, FOTP-21
Tensile Strength	10 lb ≤ 0.2 dB change
Temperature Cycling	≤ 0.3 dB change, -40 to +75°C; 21 cycles
Reflectance	Super PC: ≤ -40 dB (+18° to +26°C) Ultra PC: average -55 dB (+18° to +26°C)

Ordering Information

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

UniCam® Single-Mode Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information (continued)

Accessories

Part Number	Description
TKT-UNICAM	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
TKT-UNICAM-CTS	TKT-UNICAM plus splitter box, tool adapters and patch cords needed to add Continuity Test Set (CTS) functionality; visual fault locator not included
TKT-UNICAM-ELITE	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
TEST-UNICAM-CTS	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
TKT-012-2F	High-Performance FBC-012 Cleaver with 1- and 2-fiber handlers
FBC-001	Score and Snap Cleaver
TL-UC01	Elite UniCam Connector Installation Tool; terminates UniCam ST Compatible, SC, LC, FC and MT-RJ Single-mode and Multimode Connectors
TER-CTS-MTRJ	CTS Adapter for UniCam MT-RJ Connectors
TER-CTS-SC	CTS Adapter for UniCam SC Connectors
TER-CTS-ST	CTS Adapter for UniCam ST Compatible Connectors
TER-CTS-LC	CTS Adapter for UniCam LC Connectors
VFL-350	Visual Fault Locator, 635 nm penlight style
586101R3131001M	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)
589802RJ110001M	Jumper, SC to MT-RJ single-mode and multimode, 1 m long (for CTS splitter box-to-UniCam Connector Installation Tool)
95-400-03-BP	SC Duplex Clip (100 per pack)
2104359-01	Universal Connector Cleaning Cassette, cleans pinned and pinless connectors with ferrules
TRIGGER-BP-D	Trigger/Duplexing Clip for UniCam LC Connectors (100 per pack)
026101R2131001M	Jumper, LC to ST compatible single-mode and multimode, 1 m long (for VFL-to-UniCam LC Connector)
588702RJ131001M	Jumper, SC to MT-RJ (pinned) single-mode and multimode, 1 m long (for CTS splitter box-to-UniCam Connector Installation Tool)

UniCam® Single-Mode Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems' products without prior notification. LANscape and UniCam are registered trademarks of Corning Cable Systems Brands, Inc. Discovering Beyond Imagination is a trademark of Corning Incorporated. ST is a registered trademark of Lucent Technologies. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2001, 2003 Corning Cable Systems. All rights reserved. Published in the USA. LAN-360-EN / April 2003 / pdf



CORNING
Discovering Beyond Imagination

LANscape®
Fiber Cabling Solutions for Premises Networks