

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

A LANscape® Solutions Product

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

Corning Cable Systems UniCam® High-Performance Connectors offer best-in-class optical performance in a fast, easy field-termination solution. These high-precision ceramic ferrule connectors guarantee exceptional insert 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 45 seconds with the UniCam Tool Kit. The lightweight, handheld installation tool and the high-performance cleaver virtually eliminate human variability from installation, ensuring terminations are right, the first time, every time. This kit was designed with consideration for the network installers, 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. Installation is as easy as strip, clean, cleave, cam and crimp, with exceptional optical performance guaranteed. Every UniCam Connector is guaranteed to meet the published specification at the time of installation or Corning Cable Systems will replace it.



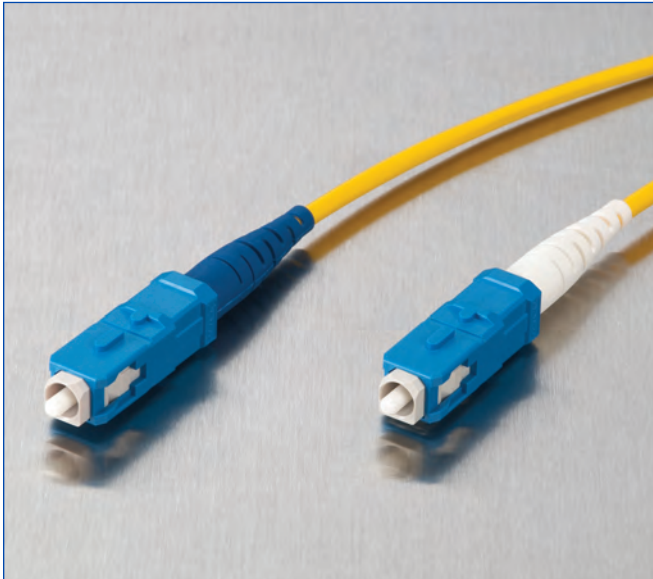
UniCam High-Performance Multimode Connectors
| Photo LAN772



UniCam High-Performance Tool Kit
| Photo LAN769

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

A LANscape®
Solutions Product



UniCam High-Performance SC Single-Mode Connectors | Photo LAN620



UniCam Z-Pak Organizer | Photo LAN1676

specifications |

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

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

A LANscape®
Solutions Product

specifications | (continued)

Multimode		Insertion Loss Typical/ Maximum (dB)*	Reflectance (dB)†	Housing Color Code	Boot Color‡
Connector Type	Fiber				
LC	62.5 µm multimode	0.1/0.5	≤ -20	Beige	Beige
LC	50 µm multimode	0.1/0.5	≤ -20	Black	Black
LC	50 µm LOMMF§	0.1/0.5	≤ -26	Black	Aqua
SC	62.5 µm multimode	0.1/0.5	≤ -20	Beige	Beige
SC	50 µm multimode	0.1/0.5	≤ -20	Black	Black
SC	50 µm LOMMF§	0.1/0.5	≤ -26	Black	Aqua
ST® Compatible	62.5 µm multimode	0.1/0.5	≤ -20	Amber	Beige
ST Compatible	50 µm multimode	0.1/0.5	≤ -20	Amber	Black
ST Compatible	50 µm LOMMF§	0.1/0.5	≤ -26	Amber	Aqua

Single-Mode		Insertion Loss Typical/ Maximum (dB)*	Reflectance (dB)†	Housing Color Code	Boot Color‡
Connector Type	Polish				
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

*Insertion loss values given for installation using a UniCam® Tool Kit. When installed using a UniCam Standard Tool Kit, the insertion loss values are 0.3 dB typical and 0.75 dB maximum.

†Reflectance values for single-mode are for 18° to 26°C.

‡ Single pack LC connectors are sold with one 900 µm boot, one 2.0/1.6 boot, and one 2.9 mm boot; Single pack SC and ST Compatible Connectors are sold with one 900 µm boot and one 2.9 mm boot. Organizer packs include 900 µm boots only.

§ LOMMF = Laser-optimized multimode fiber.

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

A LANscape®
Solutions Product

ordering information |

Part Number	Description
LC Connectors	
95-050-99-X	UniCam® High-Performance LC Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack
95-050-99	UniCam High-Performance LC Connector, 50 µm multimode, ceramic ferrule, logo, single pack
95-000-99	UniCam High-Performance LC Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack
95-050-99P-X	UniCam High-Performance LC 250 µm Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack
95-050-99P	UniCam High-Performance LC 250 µm Connector, 50 µm multimode, ceramic ferrule, logo, single pack
95-000-99P	UniCam High-Performance LC 250 µm Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack
95-050-99-X-Z	UniCam High-Performance LC Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack
95-050-99-Z	UniCam High-Performance LC Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack
95-000-99-Z	UniCam High-Performance LC Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack
95-050-99P-X-Z	UniCam High-Performance LC 250 µm Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack
95-050-99P-Z	UniCam High-Performance LC 250 µm Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack
95-000-99P-Z	UniCam High-Performance LC 250 µm Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack
95-200-96	UniCam High-Performance LC Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-96-Z	UniCam High-Performance LC Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-99	UniCam High-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-99-Z	UniCam High-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack

* LOMMF = Laser-optimized multimode fiber.

Note: Organizer packs are packs of 25 unassembled UniCam Connectors separated into components and 900 µm boots only.

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

A LANscape®
Solutions Product

ordering information | (continued)

Part Number	Description
SC Connectors	
95-050-41-X	UniCam® High-Performance SC Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack
95-050-41	UniCam High-Performance SC Connector, 50 µm multimode, ceramic ferrule, logo, single pack
95-000-41	UniCam High-Performance SC Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack
95-050-41P-X	UniCam High-Performance SC 250 µm Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack
95-050-41P	UniCam High-Performance SC 250 µm Connector, 50 µm multimode, ceramic ferrule, logo, single pack
95-000-41P	UniCam High-Performance SC 250 µm Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack
95-050-41-X-Z	UniCam High-Performance SC Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack
95-050-41-Z	UniCam High-Performance SC Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack
95-000-41-Z	UniCam High-Performance SC Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack
95-050-41P-X-Z	UniCam High-Performance SC 250 µm Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack
95-050-41P-Z	UniCam High-Performance SC 250 µm Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack
95-000-41P-Z	UniCam High-Performance SC 250 µm Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack
95-200-41	UniCam High-Performance SC Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-41-Z	UniCam High-Performance SC Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-42	UniCam High-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-42-Z	UniCam High-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-42P	UniCam High-Performance SC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-42P-Z	UniCam High-Performance SC 250 µm Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack

* LOMMF = Laser-optimized multimode fiber.

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

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

A LANscape®
Solutions Product

ordering information | (continued)

Part Number	Description
ST® Compatible Connectors	
95-050-51-X	UniCam® High-Performance ST Compatible Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack
95-050-51	UniCam High-Performance ST Compatible Connector, 50 µm multimode, ceramic ferrule, logo, single pack
95-000-51	UniCam High-Performance ST Compatible Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack
95-050-51-X-Z	UniCam High-Performance ST Compatible Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack
95-050-51-Z	UniCam High-Performance ST Compatible Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack
95-000-51-Z	UniCam High-Performance ST Compatible Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack
95-200-51	UniCam High-Performance ST Compatible Connector, SPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-51-Z	UniCam High-Performance ST Compatible Connector, SPC polish, single-mode, ceramic ferrule, logo, organizer pack
95-200-52	UniCam High-Performance ST Compatible Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack
95-200-52-Z	UniCam High-Performance ST Compatible Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack

* LOMMF = Laser-optimized multimode fiber.

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

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

A LANscape®
Solutions Product

ordering information | (continued)

Part Number	Description
Tool Kits and Accessories	
TKT-UNICAM-PFC	UniCam® High-Performance Tool Kit, includes high-performance Installation tool, high-performance flat cleaver and all required fiber preparation and cleaning supplies
TKT-UNICAM	UniCam Connector Standard Installation Tool Kit, includes score-and-cleave cleaver, installation tool, continuity test set with adapters and all required preparation
FBC-015	High-Performance Cleaver, individual flat fiber cleaver
FBC-14-15-16-BLADE	Replacement Blade for the high-performance cleaver
VFL-A125	LC 1.25 mm Ferrule Adapter for VFL†
VFL-A250	SC and ST® Compatible 2.5 mm Ferrule Adapter for VFL†
VFL-AKIT	LC 1.25 mm and SC and ST Compatible 2.5 mm Ferrule Adapter for VFL†
TER-CTS-LC	Continuity Test Set Adapter for LC connectors
TER-CTS-SC	Continuity Test Set Adapter for SC connectors*
TER-CTS-ST	Continuity Test Set Adapter for ST Compatible Connectors*
VFL-350	Visual Fault Locator‡
TL-UC01	UniCam Connector Basic Tool Kit Installation Tool
TL-UCP	High-Performance Installation Tool‡
FCC-WIPES	Canister of 90 lint-free cleaning wipes
FCC-CLEANER-FIBER	Fiber Optic Cleaning Fluid, 3 oz can

* For use with TKT-UNICAM only.

† For use with TKT-UNICAM-PFC.

‡ Note: Laser light: Do not view directly with optical instruments (magnifiers). Class 1M laser product.

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

notes |

A LANscape®
Solutions Product

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • 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. 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. © 2007, 2010 Corning Cable Systems. All rights reserved. Published in the USA. LAN-1220-EN / October 2010