

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

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Solutions Product

## features and benefits |

|  |                                |
|--|--------------------------------|
| <b>Broad operating temperature (-40° to +75°C)</b> | Utility and flexibility        |
| <b>Factory-polished end face</b>                   | Consistent optical performance |
| <b>Fast termination and no consumables</b>         | Low installation cost          |
| <b>Minimum insertion loss</b>                      | Optimum optical performance    |
| <b>Performance guaranteed</b>                      | 100 percent yield guarantee    |

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 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 with the UniCam High-Performance Tool Kit. The lightweight, hand-held installation tool and the high-performance cleaver virtually eliminate human variability during 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 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 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 LAN3275



**UniCam High-Performance Tool Kit**  
| Photo LAN3334

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

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UniCam® High-Performance SC Connectors  
| Photo LAN3221



UniCam Connector Z-Pak Organizers  
| Photo LAN1675

## specifications |

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

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

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## specifications | (continued)

| Multimode      |                   | Insertion Loss<br>Typical/<br>Maximum (dB)* | Reflectance<br>(dB)† | Housing<br>Color | Boot<br>Color‡ |
|----------------|-------------------|---|----------------------|------------------|----------------|
| Connector Type | Fiber Type        |   |                      |                  |                |
| 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<br>Typical/<br>Maximum (dB)* | Reflectance<br>(dB)† | Housing<br>Color | Boot<br>Color‡ |
|----------------|--------|---|----------------------|------------------|----------------|
| Connector Type | Polish |   |                      |                  |                |
| LC             | APC    | 0.2/.50                                     | ≤ -60                | Green            | Green          |
| LC             | UPC    | 0.2/.50                                     | ≤ -55                | Blue             | Blue           |
| SC             | APC    | 0.2/.50                                     | ≤ -60                | Green            | Green          |
| SC             | UPC    | 0.2/.50                                     | ≤ -55                | Blue             | Blue           |
| ST Compatible  | UPC    | 0.2/.50                                     | ≤ -55                | Amber            | Blue           |

\*Insertion loss values given for installation using a UniCam® High-Performance 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, Multimode and Single-Mode

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## ordering information |

| Part Number          | Description  |
|----------------------|--|
| <b>LC Connectors</b> |  |
| <b>95-050-99-X</b>   | UniCam® High-Performance LC Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack              |
| <b>95-050-99</b>     | UniCam High-Performance LC Connector, 50 µm multimode, ceramic ferrule, logo, single pack            |
| <b>95-000-99</b>     | UniCam High-Performance LC Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack          |
| <b>95-050-99-X-Z</b> | UniCam High-Performance LC Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack            |
| <b>95-050-99-Z</b>   | UniCam High-Performance LC Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack         |
| <b>95-000-99-Z</b>   | UniCam High-Performance LC Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack       |
| <b>95-200-96</b>     | UniCam High-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack    |
| <b>95-200-96-Z</b>   | UniCam High-Performance LC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack |
| <b>95-200-99</b>     | UniCam High-Performance LC Connector, APC polish, single-mode, ceramic ferrule, logo, single pack    |
| <b>95-200-99-Z</b>   | UniCam High-Performance LC Connector, APC 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, Multimode and Single-Mode

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## ordering information | (continued)

| Part Number          | Description  |
|----------------------|--|
| <b>SC Connectors</b> |  |
| <b>95-050-41-X</b>   | UniCam® High-Performance SC Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack              |
| <b>95-050-41</b>     | UniCam High-Performance SC Connector, 50 µm multimode, ceramic ferrule, logo, single pack            |
| <b>95-000-41</b>     | UniCam High-Performance SC Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack          |
| <b>95-050-41-X-Z</b> | UniCam High-Performance SC Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack            |
| <b>95-050-41-Z</b>   | UniCam High-Performance SC Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack         |
| <b>95-000-41-Z</b>   | UniCam High-Performance SC Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack       |
| <b>95-200-41</b>     | UniCam High-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack    |
| <b>95-200-41-Z</b>   | UniCam High-Performance SC Connector, UPC polish, single-mode, ceramic ferrule, logo, organizer pack |
| <b>95-200-44</b>     | UniCam High-Performance SC Connector, APC polish, single-mode, ceramic ferrule, logo, single pack    |
| <b>95-200-44-Z</b>   | UniCam High-Performance SC Connector, APC 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, Multimode and Single-Mode

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## ordering information | (continued)

| Part Number                      | Description   |
|----------------------------------|---|
| <b>ST® Compatible Connectors</b> |   |
| <b>95-050-51-X</b>               | UniCam® High-Performance ST Compatible Connector, 50 µm LOMMF*, ceramic ferrule, logo, single pack              |
| <b>95-050-51</b>                 | UniCam High-Performance ST Compatible Connector, 50 µm multimode, ceramic ferrule, logo, single pack            |
| <b>95-000-51</b>                 | UniCam High-Performance ST Compatible Connector, 62.5 µm multimode, ceramic ferrule, logo, single pack          |
| <b>95-050-51-X-Z</b>             | UniCam High-Performance ST Compatible Connector, 50 µm LOMMF*, ceramic ferrule, logo, organizer pack            |
| <b>95-050-51-Z</b>               | UniCam High-Performance ST Compatible Connector, 50 µm multimode, ceramic ferrule, logo, organizer pack         |
| <b>95-000-51-Z</b>               | UniCam High-Performance ST Compatible Connector, 62.5 µm multimode, ceramic ferrule, logo, organizer pack       |
| <b>95-200-51</b>                 | UniCam High-Performance ST Compatible Connector, UPC polish, single-mode, ceramic ferrule, logo, single pack    |
| <b>95-200-51-Z</b>               | 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, Multimode and Single-Mode

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ordering information | (continued)

| Part Number                      | Description   |
|----------------------------------|---|
| <b>Tool Kits and Accessories</b> |   |
| <b>TKT-UNICAM-PFC</b>            | UniCam® High-Performance Installation Tool Kit, includes UniCam Connector High-Performance Installation Tool, High-Performance Flat Cleaver and all required fiber preparation and cleaning supplies  |
| <b>TKT-UNICAM</b>                | UniCam Connector Standard Installation Tool Kit, includes Score-and-Snap Cleaver, installation tool and all required fiber preparation and cleaning supplies and all the CTS adapters and patch cords needed for CTS installation (VFL-350 sold separately) |
| <b>FBC-007</b>                   | High-Performance Cleaver, individual flat fiber cleaver   |
| <b>HAN-TRACK</b>                 | Fiber Handler Track for use with double-sided fan-out and direct 250 µm fiber handler (FBC-007 cleaver only)  |
| <b>HAN-UNI</b>                   | Double-sided Fiber Handler for fan-out tubing and direct 250 µm fiber applications (FBC-007 cleaver only)   |
| <b>HAN-STANDARD</b>              | Double-sided Fiber Handler for 900 µm buffered fiber and jacketed cable (FBC-007 cleaver only)  |
| <b>FBC-14-15-16-BLADE</b>        | Replacement Blade for the High-Performance Cleaver (FBC-007 and FBC-015)  |
| <b>VFL-A125</b>                  | LC 1.25 mm Ferrule VFL Adapter (for TKT-UNICAM-PFC only)  |
| <b>VFL-A250</b>                  | SC and ST® Compatible 2.5 mm Ferrule VFL Adapter (for UniCam High-Performance Installation Tool only)   |
| <b>VFL-AKIT</b>                  | Includes LC 1.25 mm and SC and ST Compatible 2.5 mm Ferrule Adapters (for UniCam High-Performance Installation Tool only)   |
| <b>TER-CTS-LC</b>                | Continuity Test Set Adapter for LC connectors (TKT-UNICAM only)   |
| <b>TER-CTS-SC</b>                | Continuity Test Set Adapter for SC connectors (TKT-UNICAM only)   |
| <b>TER-CTS-ST</b>                | Continuity Test Set Adapter for ST Compatible connectors (TKT-UNICAM only)  |
| <b>VFL-350</b>                   | Visual Fault Locator, 635 nm pen-style light  |
| <b>TL-UC01</b>                   | UniCam Connector Standard Tool Kit Installation Tool  |
| <b>TL-UCP</b>                    | UniCam High-Performance Installation Tool   |
| <b>FCC-WIPES</b>                 | Lint-free Cleaning Wipes, canister of 90  |
| <b>FCC-CLEANER-FIBER</b>         | Fiber Optic Cleaning Fluid, 3 oz can  |
| <b>CLEANER-PORT-2.5</b>          | Single-fiber Port Cleaner for SC and ST Compatible connectors   |
| <b>CLEANER-PORT-1.5</b>          | Single-fiber Port Cleaner for LC connectors   |

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

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notes |

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