

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

Corning UniCam® high-performance connectors offer best-in-class optical performance in a fast, easy field-termination solution. These high-precision zirconia ceramic ferrule connectors assure 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 to one minute with the UniCam high-performance tool kit.

The lightweight, hand-held installation tool and high-performance precision cleaver virtually eliminate human variability during installation, ensuring terminations are right the first time, every time. This kit is designed with consideration for 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 assured. Every UniCam® connector is assured to meet the published specification at the time of installation or Corning will replace it.

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

Performance assurance

100 percent yield assured

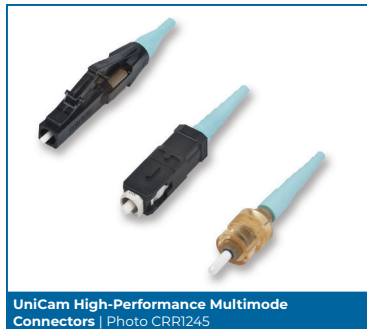
Standards

Intermateability

Connectors are FOCIS compliant with TIA/EIA 604-10A (LC); TIA/EIA604-3 (SC); TIA/EIA 604-2 (ST® Compatible Connectors)

Approval and Listings

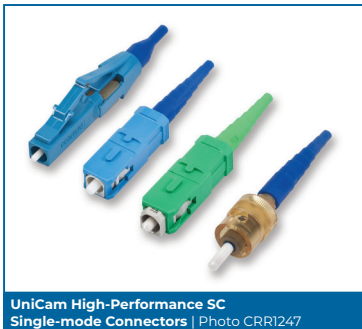
Passed EIA/TIA 568-B.3



UniCam High-Performance Multimode Connectors | Photo CRR1245



UniCam High-Performance Tool Kit | Photo LAN3334



UniCam High-Performance SC Single-mode Connectors | Photo CRR1247



UniCam Z-Pak Organizers | Photo LAN1675

Specifications

| Multimode Connectors | | | | | | |
|----------------------|-------------------------------|-------------------------|-------------------------|-------------|---------------|------------|
| | Fiber Category | Insertion Loss, Typical | Insertion Loss, Maximum | Reflectance | Housing Color | Boot Color |
| LC | 62.5 µm MM (OM1) | 0.1 dB | 0.5 dB | ≤ -26 dB | Beige | Beige |
| LC | 50 µm MM (OM2) | 0.1 dB | 0.5 dB | ≤ -26 dB | Black | Black |
| LC | 50 µm MM (OM3/OM4 compatible) | 0.1 dB | 0.5 dB | ≤ -26 dB | Black | Aqua |
| SC | 62.5 µm MM (OM1) | 0.1 dB | 0.5 dB | ≤ -26 dB | Beige | Beige |
| SC | 50 µm MM (OM2) | 0.1 dB | 0.5 dB | ≤ -26 dB | Black | Black |
| SC | 50 µm MM (OM3/OM4 compatible) | 0.1 dB | 0.5 dB | ≤ -26 dB | Black | Aqua |
| ST® Compatible | 62.5 µm MM (OM1) | 0.1 dB | 0.5 dB | ≤ -26 dB | Amber | Beige |
| ST® Compatible | 50 µm MM (OM2) | 0.1 dB | 0.5 dB | ≤ -26 dB | Amber | Black |
| ST® Compatible | 50 µm MM (OM3/OM4 compatible) | 0.1 dB | 0.5 dB | ≤ -26 dB | Amber | Aqua |

Specifications cont'd

| Single-Mode | | | | | | |
|----------------|--------|-------------------------|-------------------------|-------------|---------------|------------|
| | Polish | Insertion Loss, Typical | Insertion Loss, Maximum | Reflectance | Housing Color | Boot Color |
| LC | SPC | 0.2 dB | 0.5 dB | ≤ -40 dB | Blue | White |
| LC | UPC | 0.2 dB | 0.5 dB | ≤ -55 dB | Blue | Blue |
| SC | SPC | 0.2 dB | 0.5 dB | ≤ -40 dB | Blue | White |
| SC | UPC | 0.2 dB | 0.5 dB | ≤ -55 dB | Blue | Blue |
| ST® Compatible | SPC | 0.2 dB | 0.5 dB | ≤ -40 dB | Amber | White |
| ST® Compatible | UPC | 0.2 dB | 0.5 dB | ≤ -55 dB | Amber | Blue |

| | |
|---------------------------------|---|
| Operating Temperature | -40°C to 75°C exceeding EIA/TIA 568-B.3 |
| Durability | .02 dB change, 500 rematings, FOTP-21 |
| Tensile Strength Jacketed Cable | 10 lb ≤ 0.2 dB change on jacketed cable exceeds; 0.5 lb ≤ 0.2 dB change on 900 µm cable; FOTP-6 |

LC Connector Ordering Links

Click part numbers for additional information and ordering prices.

| Part Number - Click for More Information | Description | Units per Delivery |
|---|---|--------------------|
| 95-050-99-X | UniCam® High-Performance Connector, LC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, black housing, aqua boot | 1/1 |
| 95-050-99-X-Z | UniCam® High-Performance Connector, LC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organizer pack, black housing, aqua boot | 25/1 |
| 95-050-99 | UniCam® High-Performance Connector, LC, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, black housing, black boot | 1/1 |
| 95-050-99-Z | UniCam® High-Performance Connector, LC, 50 µm multimode (OM2), ceramic ferrule, logo, organizer pack, black housing, black boot | 25/1 |
| 95-000-99 | UniCam® High-Performance Connector, LC, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, beige housing, beige boot | 1/1 |
| 95-000-99-Z | UniCam® High-Performance Connector, LC, 62.5 µm multimode (OM1), ceramic ferrule, logo, organizer pack, beige housing, beige boot | 25/1 |
| 95-200-99 | UniCam® High-Performance Connector, LC, Single-mode (OS2), ceramic ferrule, logo, single pack, blue housing, blue boot | 1/1 |
| 95-200-99-Z | UniCam® High-Performance Connector, LC, Single- mode (OS2), ceramic ferrule, logo, organizer pack, blue housing, blue boot | 25/1 |
| 95-200-94 | UniCam® High-Performance Connector, LC APC, Single- mode (OS2), ceramic ferrule, logo, single pack, green housing, green boot | 1/1 |
| 95-200-94-Z | UniCam® High-Performance Connector, LC APC, Single- mode (OS2), ceramic ferrule, logo, organizer pack, green housing, green boot | 25/1 |

SC Connector Ordering Links

Click part numbers for additional information and ordering prices.

| Part Number - Click for More Information | Description | Units per Delivery |
|---|---|--------------------|
| 95-050-41-X | UniCam® High-Performance Connector, SC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, black housing, aqua boot | 1/1 |
| 95-050-41-X-Z | UniCam® High-Performance Connector, SC, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organizer pack, black housing, aqua boot | 25/1 |
| 95-050-41 | UniCam® High-Performance Connector, SC, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, black housing, black boot | 1/1 |
| 95-050-41-Z | UniCam® High-Performance Connector, SC, 50 µm multimode (OM2), ceramic ferrule, logo, organizer pack, black housing, black boot | 25/1 |
| 95-000-41 | UniCam® High-Performance Connector, SC, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, beige housing, beige boot | 1/1 |
| 95-000-41-Z | UniCam® High-Performance Connector, SC, 62.5 µm multimode (OM1), ceramic ferrule, logo, organizer pack, beige housing, beige boot | 25/1 |
| 95-200-41 | UniCam® High-Performance Connector, SC, Single- mode (OS2), ceramic ferrule, logo, single pack, blue housing, blue boot | 1/1 |
| 95-200-41-Z | UniCam® High-Performance Connector, SC, Single- mode (OS2), ceramic ferrule, logo, organizer pack, blue housing, blue boot | 25/1 |
| 95-200-44 | UniCam® Standard-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, single pack, green housing, green boot | 1/1 |
| 95-200-44-Z | UniCam® Standard-Performance Connector, SC APC, Single-mode (OS2), ceramic ferrule, logo, organizer pack | 25/1 |




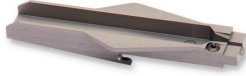






ST® Compatible Connector Ordering Links

Click part numbers for additional information and ordering prices.

| Part Number - Click for More Information | Description | Units per Delivery |
|---|---|--------------------|
| 95-050-51-X | UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, single pack, amber housing, aqua boot | 1/1 |
| 95-050-51-X-Z | UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM3/OM4 compatible), ceramic ferrule, logo, organizer pack, amber housing, aqua boot | 25/1 |
| 95-050-51 | UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, amber housing, black boot | 1/1 |
| 95-050-51-Z | UniCam® High-Performance Connector, ST® Compatible, 50 µm multimode (OM2), ceramic ferrule, logo, organizer pack, amber housing, black boot | 25/1 |
| 95-000-51 | UniCam® High-Performance Connector, ST® Compatible, 62.5 µm multimode (OM1), ceramic ferrule, logo, single pack, amber housing, beige boot | 1/1 |
| 95-000-51-Z | UniCam® High-Performance Connector, ST® Compatible, 62.5 µm multimode (OM1), ceramic ferrule, logo, organizer pack, amber housing, beige boot | 25/1 |
| 95-200-51 | UniCam® High-Performance Connector, ST® Compatible, Single-mode (OS2), ceramic ferrule, logo, single pack, amber housing, blue boot | 1/1 |
| 95-200-51-Z | UniCam® High-Performance Connector, ST® Compatible, Single-mode (OS2), ceramic ferrule, logo, organizer pack, amber housing, blue boot | 25/1 |

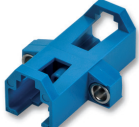



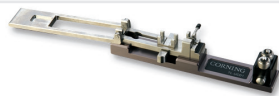

Tool Kits and Accessories Ordering Links

Click part numbers for additional information and ordering prices.





| Part Number - Click for More Information | Description | Units per Delivery | |
|---|---|--------------------|---|
| TKT-UNICAM-PFC | UniCam® High-performance Tool Kit: includes High- performance Installation Tool for termination of multimode and single-mode LC, SC and ST® Compatible Connectors; includes High-performance Precision Flat Cleaver, 1.25 and 2.50 mm VFL ferrule adapters and all required fiber preparation, cleaning tools and materials | 1/1 |  |
| TKT-UNICAM | Standard Installation Tool Kit for single-fiber UniCam® Connectors, terminates LC, SC and ST® Compatible Connectors; includes FBC-002 basic cleaver, continuity test set (CTS) with adapters; includes all required fiber preparation, cleaning tools and materials | 1/1 |  |
| FBC-007 | UniCam® High-Performance Precision Flat Cleaver | 1/1 |  |
| HAN-TRACK | Fiber Handlers and Track for UniCam® and OptiSnap® Flat Cleavers | 1/1 |  |
| HAN-UNI | Fiber Handler for fan-out tubing and direct 250 µm applications. | 1/1 |  |
| HAN-STANDARD | Double-sided Fiber Handler for tight-buffered 900 µm and jacketed cable for UniCam® High-Performance flat cleaver FBC-007 | 1/1 |  |
| FBC-14-15-16-BLADE | Replacement Diamond Blade for the High-performance Precision Flat Cleaver | 1/1 |  |
| VFL-A125 | LC VFL adapter for 1.25 mm ferrules (for UniCam® High- Performance Installation Tool only) | 1/1 |  |
| VFL-A250 | SC and ST® Compatible VFL Adapter for 2.5 mm ferrules for UniCam High-performance Installation Tool only | 1/1 |  |
| VFL-AKIT | UniCam® VFL Adapter Kit for High-performance Installation Tool | 1/1 |  |

Tool Kits and Accessories Ordering Links Cont'd

Click part numbers for additional information and ordering prices.

| Part Number - Click for More Information | Description | Units per Delivery | |
|---|--|--------------------|---|
| TER-CTS-LC | CTS Adapter for UniCam® LC Connectors | 1/1 |  |
| TER-CTS-SC | CTS Adapter for UniCam® SC Connectors | 1/1 |  |
| TER-CTS-ST | CTS Adapter for UniCam® ST® Compatible Connectors | 1/1 |  |
| VFL-350 | Visual Fault Locator, 635 nm penlight style | 1/1 |  |
| TL-UC01 | UniCam® Standard-performance Installation Tool | 1/1 |  |
| TL-UCP | UniCam® High-performance Connector Installation Tool with integrated continuity test set (CTS) | 1/1 |  |

Cleaning Accessories

| Part Number | Description | Units per Delivery | |
|-------------------|---|--------------------|---|
| FCC-WIPES | Lint-free Cleaning Wipes, canister of 90 | 90/1 |  |
| FCC-CLEANER-FIBER | Fiber Optic Cleaning Fluid, 3 oz can | 1/1 |  |
| CLEANER-PORT-2.5 | Single-fiber Port Cleaner for all 2.5 mm ferruled connectors such as FC, SC and ST® Compatible Connectors; effective for PC, UPC and APC polishes | 1/1 |  |
| CLEANER-PORT-1.5 | Single-fiber Port Cleaver for 1.5 mm ferruled LC connectors | 1/1 |  |



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