

Description

The UniCam® connector is the ideal solution for all your field-installable multimode and 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 UniCam connector can best be described as a mini pigtail. It incorporates a factory-installed fiber stub that is fully bonded in 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.

The UniCam connector is available for both single-mode and multimode applications. UniCam single-mode connectors are the only pre-polished end-face, field-installable connectors that can ensure reflectance performance.

Features / Benefits

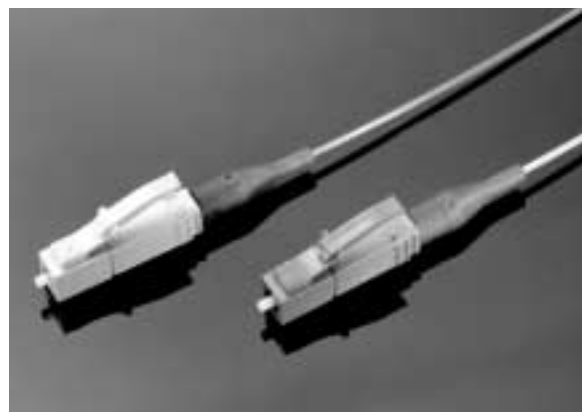
- Compliant with ANSI/TIA/EIA-568-B.3
- Economical cost for all fiber terminations
- Fastest termination time in the industry
- Low labor and no consumables for reduced total cost
- Minimal tool kit, reduced setup time; universal assembly tool terminates all UniCam connector styles
- Proven performance



UniCam Multimode Connectors | Photo CCA57



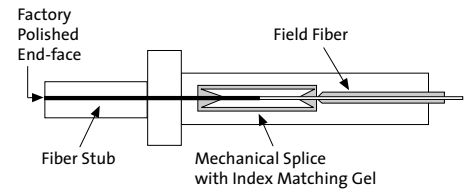
UniCam Single-mode Connectors | Photo CNPSS1495



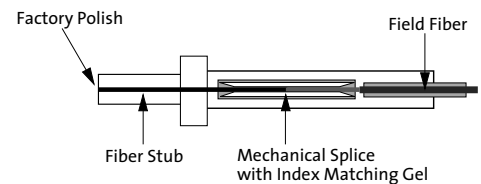
UniCam LC Connectors | Photo LAN233

Specifications

Parameter	Specification
Interconnection Compatibility	
Single-mode	Compliant with TIA/EIA 604-10A (LC) 604-2, 604-3, 604-4 for ST® compatible, SC, and FC connectors respectively
Multimode	Connectors are FOCIS compliant with TIA/EIA 604-2 (ST compatible), 604-3 (SC), and 604-4 (FC)
Insertion Loss	
Single-mode	0.4 dB average, FOTP-171
Multimode	0.3 dB average, FOTP-171
Durability	
Single-mode	≤ 0.3 dB change for 500 rematings, FOTP-21
Multimode	≤ 0.2 dB change, 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 average (+18° to +26°C) Ultra PC: ≤ -55 dB average (+18° to +26°C)
Nominal Fiber OD	125 μm
Single-mode Boot Color	Super PC: White Ultra PC: Blue
Multimode Materials	Ferrule: Composite or Ceramic Housing: Composite



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



UniCam Multimode Connector Cross-Section |
Drawing ZA-1616

Ordering Information

UniCam® Single-mode Connectors

Part Number	Description
95-200-98	UniCam® LC Single-mode Connector with Ultra PC polish and rotating cam
95-200-41	UniCam SC Single-mode Connector with Super PC polish and rotating cam
95-200-42	UniCam SC Single-mode Connector with Ultra PC polish and rotating cam
95-200-51	UniCam ST Compatible Single-mode Connector with Super PC polish and rotating cam
95-200-52	UniCam ST Compatible Single-mode Connector with Ultra PC polish and rotating cam
95-200-61	UniCam FC Single-mode Connector with Super PC polish and rotating cam
95-200-62	UniCam FC Single-mode Connector with Ultra PC polish and rotating cam

UniCam® Multimode Connectors

Part Number	Description
95-000-98	UniCam LC Multimode Connector for 62.5 µm fiber with ceramic ferrule
95-050-98	UniCam LC Multimode Connector for 50 µm fiber with ceramic ferrule
95-000-40	UniCam SC Multimode Connector for 62.5 µm fiber with composite ferrule
95-000-41	UniCam SC Multimode Connector for 62.5 µm fiber with ceramic ferrule
95-050-41	UniCam SC Multimode Connector for 50 µm fiber with ceramic ferrule
95-000-50	UniCam ST® Compatible Multimode Connector for 62.5 µm fiber with composite ferrule
95-000-51	UniCam ST Compatible Multimode Connector for 62.5 µm fiber with ceramic ferrule
95-050-51	UniCam ST Compatible Multimode Connector for 50 µm fiber with ceramic ferrule
95-000-61	UniCam FC Multimode Connector for 62.5 µm fiber with ceramic ferrule

Tool Kits and Accessories

Part Number	Description
TKT-UNICAM	Installation Kit for single-fiber and 2-fiber UniCam connectors, terminates single-fiber LC, ST compatible, SC, and FC, as well as 2-fiber MT-RJ UniCam connectors
TKT-UNICAM-CTS	Installation Kit for single-fiber and 2-fiber UniCam connectors, terminates single-fiber LC, ST compatible, SC, and FC, as well as 2-fiber MT-RJ UniCam connectors; includes Continuity Test Set
2109002-01	Enhanced UniCam Connector Installation Tool
3201007-01	UniCam Connector Aramid Yarn Crimp Tool
FBC-001	Score and Snap Cleaver
FBC-006	Precision Fiber Cleaver
95-400-03-BP	SC Duplex Clip, bulk packaged in quantities of 100

TKT-UNICAM is also available in international versions (with a PAL video) by adding -INT to the part number.

Notes: All tools work with the appropriate SM and MM versions of the UniCam connector.

They are not compatible with the original ST compatible or FC CamLite® connectors (95-000-20, 21 or 95-200-21 or 95-200-31).



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