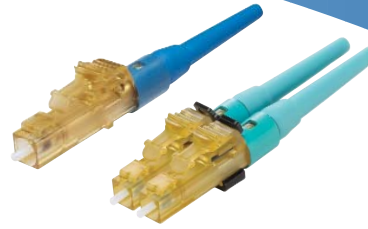


specifications

LC small form factor (SFF) pre-polished connectors with rear pivot latch shall be TIA/EIA-604 FOCIS-10 compatible and contain a factory-terminated fiber, eliminating field polishing and adhesive. LC pre-polished connectors shall have an average insertion loss of 0.3dB per mated pair for multimode and singlemode fiber. LC pre-polished connectors shall captivate fiber and buffer in one action allowing for up to two re-terminations with no degradation in performance.



technical information

| | |
|--------------------------------|---|
| Standards requirements: | TIA/EIA-604 FOCIS-10 compatible; exceeds TIA/EIA-568-B.3 requirements |
| Fiber compatibility: | 62.5/125µm OM1, 50/125µm OM2, 10Gig™ 50/125µm laser optimized OM3/OM4 and 9/125µm OS1/OS2 |
| Fiber cable type: | 900µm tight-buffered cable only |
| Fiber cable size: | 1.6mm – 2.0mm and 3.0mm jacketed cable with optional boots |
| Ferrule type: | Zirconia ceramic with a pre-polished fiber stub |
| Insertion loss: | Ceramic: 0.3dB average (multimode and singlemode) |
| Return loss: | Ceramic: >20dB (multimode), >26dB (10Gig™ multimode), >50dB (singlemode) |

key features and benefits

| | |
|---|---|
| LC OptiCam® Connectors | |
| Factory pre-polished fiber stub endface | Eliminates inconsistent and time-consuming field polishing to deliver required optical performance; reduces termination time (less than half the time of field polish connectors) and the number of installation tools required |
| Dual cam design with fiber and buffer clamps | Secures both the fiber and the buffer during the camming step to facilitate consistent termination results; reduces the termination time compared to conventional termination methods |
| PATENTED | Allows up to two re-terminations to achieve optimum termination results; reduces the number of rejected connectors and terminations to provide yield rates approaching 100% for lower installed costs |
| Translucent housing assembly | Facilitates inspection of the fiber termination quality; results in rapid installations, improved termination yields, and lower installed costs |
| Non-optical disconnect | Maintains data transmission under tensile loads for jacketed cable |
| Mechanical cable retention | Consistently provides higher than industry standard cable retention; requires no adhesive, speeding installation |
| Zirconia ceramic ferrules | Provide the highest durability for repeated matings |

| | |
|--|--|
| OptiCam® Termination Tool | |
| Universal termination tool | Secures both fiber and buffer in one action for all OptiCam® Connectors with connector specific cradles (included); ensures fast, consistent, and optimal terminations |
| Integrated visual termination indicator (VTI) | Offers visual indication of proper termination after the cam step has been completed; virtually eliminates operator error to deliver a lower installed cost |

applications

LC fiber optic connectors are widely used in fiber optic backbone and horizontal applications for high-speed data transmission. Typical applications for LC OptiCam® Connectors include maintenance or emergency restoration of fiber networks and retrofit/initial install in both behind-the-wall (BTW) and in the permanent side of panelized interconnect and cross-connect.

LC OptiCam® Connectors eliminate the need for end face polishing and adhesive providing easier, faster installation, especially in remote areas and confined spaces. The hand-held OptiCam® Termination Tool gives installers the flexibility to terminate in very close proximity to the application without having to switch tools or find benchtop space.

LC OptiCam® Pre-Polished Connectors with Zirconia Ceramic Ferrules

| | |
|---|-------------|
| 10Gig™ 50/125µm (laser optimized) simplex: | FLCSMCXAQY* |
| 10Gig™ 50/125µm (laser optimized) duplex: | FLCDMCXAQY |
| 50/125µm simplex: | FLCSMC5BLY* |
| 50/125µm duplex: | FLCDMC5BLY |
| 62.5/125µm simplex: | FLCSMC6BLY* |
| 62.5/125µm duplex: | FLCDMC6BLY |
| 9/125µm simplex: | FLCSCBUY* |
| 9/125µm duplex: | FLCDSCBUY |

OptiCam® 1.6/2.0mm Boots

| | |
|---------------------------------|-------------|
| 10Gig™ multimode (aqua): | FMCBT2AQ-X* |
| Multimode (black): | FMCBT2BL-X |
| Singlemode (blue): | FSCBT2BU-X |

OptiCam® 3.0mm Boots

| | |
|---------------------------------|-------------|
| 10Gig™ multimode (aqua): | FMCBT3AQ-X* |
| Multimode (black): | FMCBT3BL-X |
| Singlemode (blue): | FSCBT3BU-X |

*X = Bag of 10 Boots; 100 per carton.

OptiCam® Termination Tooling

| | |
|--|-------------|
| OptiCam® Termination Kit: | FCAMKIT |
| OptiCam® Conversion Kit (upgrades Opti-Crimp® Kit to also terminate OptiCam® Connectors): | FPPKIT-CVY |
| Field Polish Kit Upgrade (upgrades Field Polish Kit to also terminate OptiCam® Connectors): | FIELDKITUPG |
| LC cradles (2 per pkg.): | FLCC |

LC Fiber Optic Adapters

| | |
|--------------------------|-------------|
| 10Gig™ multimode: | FADJLCAQ-L* |
| Multimode: | FADJLCEI-L |
| Singlemode: | FADJLCZBU-L |

*L = Bag of 50 adapters; 100 per carton.

Mini-Com® LC Adapter Modules

| | |
|--------------------------|------------|
| 10Gig™ multimode: | CMDJALQC** |
| Multimode: | CMDJEILC** |
| Singlemode: | CMDJLCZBU |

**Substitute for module color: EI = Electric Ivory, BU = Blue, BL = Black, IW = Off White, AW = Arctic White

Opticom® LC Fiber Adapter Panels

| | |
|--------------------------------|-------------|
| 6 duplex MM adapters: | FAP6WEIDL |
| 6 duplex SM adapters: | FAP6WBUDLC |
| 12 duplex MM adapters: | FAP12WEIDL |
| 12 simplex SM adapters: | FAP12WBULCZ |

Opti-Core® LC Patch Cords

| | |
|--------------------------|-------------|
| Duplex LC to LC: | F^E10-10M‡Y |
| Simplex LC to LC: | F^F10-10M‡Y |
| Duplex SC to LC: | F^E3-10M‡Y |
| Simplex SC to LC: | F^F3-10M‡Y |

LC Lock-in Duplex Clip

| | |
|--------------------------------|-----------|
| LC lock-in duplex clip: | FLCCLIW-X |
|--------------------------------|-----------|

*Add -C to simplex connector part numbers for bulk packs of 100 connectors.

^Substitute for fiber type: 6 = 62.5/125µm OM1, 5 = 50/125µm OM2, X = 10Gig™ 50/125µm OM3/OM4 or 9 = 9/125µm OS1/OS2.

‡Substitute for length in meters: 1, 2, 3, 5 or 10.

Contact Customer Service for other available lengths.

LC OptiCam® Pre-Polished Fiber Optic Connectors

performance information

| Test Parameter | Description | Result |
|--|--|---|
| Qualification test suite (TIA/EIA-568-B.3 requirements) | Complete testing protocol per TIA/EIA-568-B.3 using TIA/EIA FOTPs that include mechanical, environmental, and optical test sequences | Exceeds TIA/EIA-568-B.3 requirements |
| Connector intermatability | Dimensional and material compliance to TIA/EIA standards | All connectors are FOCIS compatible with TIA/EIA-604-10 |
| Repeated mating | 500 mate/unmate cycles Max. insertion loss: 0.75dB Min. return loss: 20dB | Exceeds TIA/EIA-568-B.3 test requirements: <0.1dB additional insertion loss |
| Cable retention (straight pull): 900µm tight-buffered fiber Jacketed cable | TIA/EIA-568-B.3 requirement: 0.5 lbs. load applied with <0.5dB increase in insertion loss after test 11.24 lbs. load applied with <0.5dB increase in insertion loss after test | Exceeds TIA/EIA-568-B.3 requirements: 1.0 lbs. avg. load applied with <0.2dB increase in insertion loss after test 11.24 lbs. load applied with <0.1dB increase in insertion loss after test* |

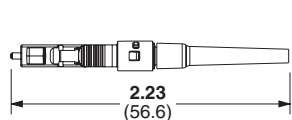
*Jacketed cable retention tensile load may vary based on specific manufacturer's jacketed cable diameter and aramid yarn count.

selection information

| Part Number | Connector Type | Ferrule Material | Fiber | Ferrule Finish | Backbone Color | Boot Color | Average Insertion Loss** | Return Loss |
|-------------|----------------|------------------|---|----------------|----------------|------------|--------------------------|-------------|
| FLCSMCXAQY | Simplex | Zirconia Ceramic | 10 GbE 50/125µm (laser optimized) OM3/OM4 | SPC | Aqua | Aqua | 0.3dB | >26dB |
| FLCDMCXAQY | Duplex | | | | | | | |
| FLCSMC5BLY | Simplex | Zirconia Ceramic | 50/125µm OM2 | SPC | Black | Black | 0.3dB | >20dB |
| FLCDMC5BLY | Duplex | | | | | | | |
| FLCSMC6BLY | Simplex | Zirconia Ceramic | 62.5/125µm OM1 | SPC | Electric Ivory | Black | 0.3dB | >20dB |
| FLCDMC6BLY | Duplex | | | | | | | |
| FLCSSCBUY | Simplex | Zirconia Ceramic | 9/125µm OS1/OS2 | UPC | Blue | Blue | 0.3dB | >50dB |
| FLCDSCBUY | Duplex | | | | | | | |

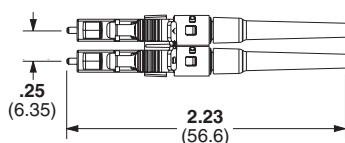
**All connector insertion loss values calculated from tests taken with precision launch jumper assemblies per TIA/EIA-FOTP-171.

LC OptiCam® Pre-Polished Simplex Connector



FLCSMC*Y**

LC OptiCam® Pre-Polished Duplex Connector



FLCDMC*Y**

OptiCam® Termination Tool



OCTT
(Patch cords available separately or in termination kits)

LC Lock-In Duplex Clip



FLCLLIW-X

***Substitute for fiber type: For multimode, insert XAQ for 10Gig™ 50/125µm, 5BL for 50/125µm, 6BL for 62.5/125µm. For singlemode, insert BU for 9/125µm, and replace M with S.

Dimensions are in inches [Dimensions in brackets are in millimeters]

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9/2009

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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