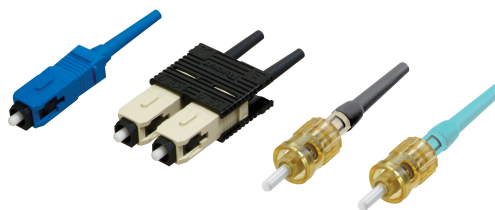


NetKey® Fiber Optic Connectors – Pre-Polished Cam Termination

specifications

Pre-polished fiber optic connectors are TIA/EIA-604 FOCIS compliant and contain a factory-terminated fiber, eliminating field polishing and adhesive. Pre-polished fiber optic connectors capture fiber and buffer in one action allowing for up to two re-terminations with no degradation in performance.



technical information

| | ST Opticam® Connectors | SC Opticam® Connectors |
|------------------------------|---|---|
| Standards compliance: | TIA/EIA-604 FOCIS-2 compliant; exceeds TIA/EIA-568-B.3 requirements | TIA/EIA-604 FOCIS-3 compliant; 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 size and type: | 900µm tight-buffered fiber; 250µm coated fiber, by using F250BT-C 250 micron fiber build-up tube kit or FO6CB or FO12CB fan-out kit | |
| Performance: | Insertion loss: Composite 0.3dB average (multimode) Return loss: Composite >20dB (multimode) | |

key features and benefits

| | ST Opticam® Connectors | SC Opticam® Connectors |
|---|---|--|
| Factory pre-polished fiber stub end face | 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 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 cost | |
| Translucent housing assembly | Facilitates inspection of the fiber termination quality; results in rapid installations, improved termination yields, and lower installed costs | |
| Mechanical cable retention | Consistently provides higher than industry standard cable retention; requires no adhesive, speeding installation | |
| Non-optical disconnect | — | Maintains data transmission under tensile loads for jacketed cable |

Opticam® Termination Tool

| | |
|--|--|
| Universal termination | 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 higher yield for a lower installed cost |

applications

- Fiber optic backbone and horizontal applications
- Maintenance or emergency restoration of fiber networks
- Retrofit/initial install in both behind-the-wall (BTW) permanent side of panelized interconnect and cross-connect
- Remote areas and confined spaces
- OptiCam® Termination Tool gives installers the flexibility to terminate in very close proximity to the application

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DATA SHEET

NetKey® SC OptiCam® Pre-Polished Connectors with Composite Ferrule

| | |
|---|---------------|
| 50/125µm mm simplex: | NKFSCMPC5BL |
| 50/125µm mm simplex (100 pk.): | NKFSCMPC5BL-C |
| 62.5/125µm mm simplex: | NKFSCMPC6EI |
| 62.5/125µm mm simplex (100 pk.): | NKFSCMPC6EI-C |

NetKey® ST OptiCam® Pre-Polished Connectors with Composite Ferrule

| | |
|---|---------------|
| 50/125µm mm simplex: | NKFSTMPC5BL |
| 50/125µm mm simplex (100 pk.): | NKFSTMPC5BL-C |
| 62.5/125µm mm simplex: | NKFSTMPC6EI |
| 62.5/125µm mm simplex (100 pk.): | NKFSTMPC6EI-C |

OptiCam® 1.6/2.0mm Boot Assemblies

| | |
|---------------------------------|-------------|
| 10Gig® Multimode (Aqua): | FMCBT2AQ-X* |
| Multimode (Black): | FMCBT2BL-X* |
| Singlemode (Blue): | FSCMT2UB-X* |

*X = Bag of 10 boots; 100 per carton

OptiCam® 3.0mm Boot Assemblies

| | |
|---------------------------------|-------------|
| 10Gig® Multimode (Aqua): | FMCBT3AQ-X* |
| Multimode (Black): | FMCBT3BL-X* |
| Singlemode (Blue): | FSCMT3UB-X* |

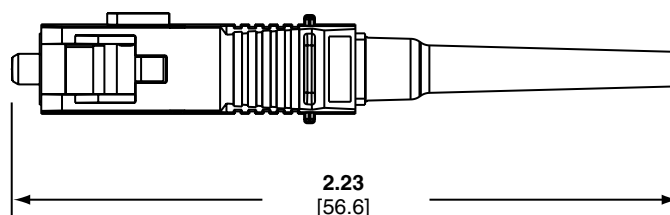
*X = Bag of 10 boots; 100 per carton

OptiCam® Termination Tooling

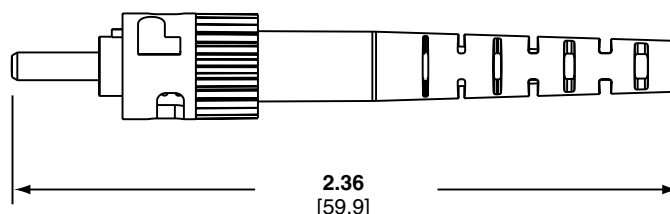
| | |
|--|-------------|
| OptiCam® Termination Kit: | FCAMKIT |
| OptiCam® Conversion Kit (upgrades OptiCrimp® to also terminate OptiCam® Connectors): | FPPKIT-CVY |
| Field polish kit upgrade (upgrades field polish kit to also terminate OptiCam® Connectors): | FIELDKITUPG |
| ST cradles (2 per pkg.): | FSTC |
| SC cradles (2 per pkg.): | FSCC |

NetKey® Fiber Optic Connectors – Pre-Polished Cam Termination

NetKey® SC OptiCam® Pre-Polished Simplex Connector



NetKey® ST OptiCam® Pre-Polished Simplex Connector



OptiCam® Termination Tool



CLASS 1M LASER PRODUCT

Dimensions are in inches [Dimensions in brackets are metric]

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