

# NetKey® Fiber Optic Connectors – Pre-Polished Cam Termination

# PANDUIT®

## DATA SHEET

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 captivate 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
<b>Standards compliance:</b>	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
<b>Fiber compatibility:</b>	62.5/125µm OM1, 50/125µm OM2, 10Gig™ 50/125µm laser optimized OM3/OM4 and 9/125µm OS1/OS2	
<b>Fiber size and type:</b>	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	
<b>Performance:</b>	Insertion loss: Composite 0.3dB average (multimode) Return loss: Composite >20dB (multimode)	

### key features and benefits

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

#### Opticam® Termination Tool

<b>Universal termination</b>	Secures both fiber and buffer in one action for all OptiCam® Connectors with connector specific cradles (included); ensures fast, consistent, and optimal terminations
<b>Integrated visual termination indicator (VTI)</b>	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

#### 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

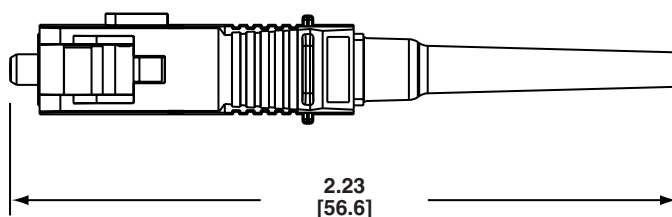
10Gig® multimode (Aqua):	FMCBT3AQ-X*
Multimode (Black):	FMCBT3BL-X*
Singlemode (Blue):	FSCMT3UB-X*

\*X = Bag of 10 boots; 100 per carton

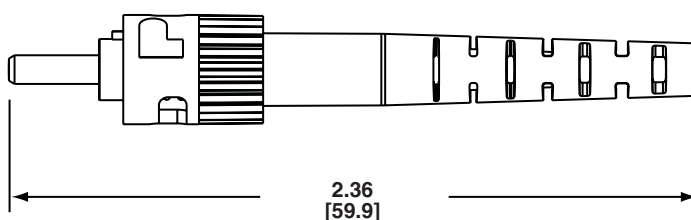
#### OptiCam® Termination Tooling

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® SC OptiCam® Pre-Polished Simplex Connector



## NetKey® ST OptiCam® Pre-Polished Simplex Connector



## OptiCam® Termination Tool



Dimensions are in inches. [Dimensions in brackets are metric].

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