

### **PATENTED** SC OptiCam® Fiber Optic Connectors – Pre-Polished Cam Termination

- TIA/EIA-604 FOCIS-3 compliant connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector backbone and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.3dB average (multimode and singlemode)
- Return loss: >26dB (10Gig™ multimode), >20dB (multimode), >50dB (singlemode)
- Quick installation; provide field termination in less than half the time of field polish connectors
- Patented re-termination capability provides yield rates approaching 100%
- Factory pre-polished fiber endface eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention – less sensitivity to fiber tensile loading
- OptiCam® Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- Cable retention boot assemblies consistently provide higher than industry standard cable retention
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Fiber cable size: accept 900µm tight-buffered fiber with included boot(s); accept 1.6mm – 2.0mm and 3.0mm jacketed cable with available OptiCam® Cable Retention Boot Assemblies (ten per package)– ten per package
- For 250µm coated fiber termination, use 250 micron fiber build-up tube kit or fan-out kits on pages C.27 – C.28
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated matings) or composite to meet a variety of application requirements
- Use OptiCam® Termination Kit (FCAMKIT) on page C.101



FSCDMCXQA



FSCDMC5BL



FSCSCBU



FMCBT3BL-X



FSCCLIP-L

Part Number	Part Description	Color	Std. Pkg. Qty.*	Std. Ctn. Qty.
<b>SC OptiCam® 10Gig™ OM3/OM4 50/125µm Multimode Fiber Optic Connectors</b>				
<b>FSCMCXAQ</b>	SC OptiCam® 10Gig™ 50/125µm OM3/OM4 Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
<b>FSCDMCXAQ</b>	SC OptiCam® 10Gig™ 50/125µm OM3/OM4 Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
<b>SC OptiCam® OM2 50/125µm Multimode Fiber Optic Connectors</b>				
<b>FSCMC5BL</b>	SC OptiCam® 50/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
<b>FSCDMC5BL</b>	SC OptiCam® 50/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
<b>SC OptiCam® OM1 62.5/125µm Multimode Fiber Optic Connectors</b>				
<b>FSCMC6EI</b>	SC OptiCam® 62.5/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
<b>FSCDMC6EI</b>	SC OptiCam® 62.5/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
<b>SC OptiCam® OS1/OS2 Singlemode Fiber Optic Connectors</b>				
<b>FSCSCBU</b>	SC OptiCam® Singlemode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Blue	1	10
<b>OptiCam® 1.6/2.0mm Cable Retention Boot Assemblies</b>				
<b>FMCBT2AQ-X</b>	OptiCam® 10Gig™ OM3/OM4 1.6/2.0mm Cable Retention Boot.	Aqua	10	100
<b>FMCBT2BL-X</b>	OptiCam® OM2 Multimode 1.6/2.0mm Cable Retention Boot.	Black	10	100
<b>FMCBT2EI-X</b>	OptiCam® OM1 Multimode 1.6/2.0mm Cable Retention Boot.	Electric Ivory	10	100
<b>FSCBT2BU-X</b>	OptiCam® OS1/OS2 Singlemode 1.6/2.0mm Cable Retention Boot.	Blue	10	100
<b>OptiCam® 3.0mm Cable Retention Boot Assemblies</b>				
<b>FMCBT3AQ-X</b>	OptiCam® 10Gig™ OM3/OM4 3.0mm Cable Retention Boot.	Aqua	10	100
<b>FMCBT3BL-X</b>	OptiCam® OM2 Multimode 3.0mm Cable Retention Boot.	Black	10	100
<b>FMCBT3EI-X</b>	OptiCam® OM1 Multimode 3.0mm Cable Retention Boot.	Electric Ivory	10	100
<b>FSCBT3BU-X</b>	OptiCam® OS1/OS2 Singlemode 3.0mm Cable Retention Boot.	Blue	10	100
<b>SC Duplex Clip</b>				
<b>FSCCLIP-L</b>	SC duplex clip for duplexing two simplex Panduit SC multimode or singlemode connectors.	Black	50	—

\*Simplex connectors are available in 100 count bulk packages by adding -C to the part number.