

## SC Fiber Optic Connectors – Field Polish Termination

- TIA/EIA-604 FOCIS-3 compliant connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector outer housing and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.10dB average (multimode), 0.15dB average (singlemode)
- Return loss: >20dB (multimode), >40dB (singlemode)
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Free floating housing ensures complete latching even when inserted by the boot, beneficial in high density spacing applications
- Pre-assembled inner housing simplifies assembly
- Each simplex connector includes inner housing assembly, outer housing, crimp sleeve, one boot for 900µm buffered fiber, one boot for 3mm jacketed cable, and one dust cap
- Each duplex connector includes two inner housing assemblies, two outer housings, two crimp sleeves, two boots for 3mm jacketed cable, two dust caps, and one duplex clip
- SC duplex clip available separately for duplexing two simplex Panduit SC Connectors
- Fiber cable type: tight-buffered recommended
- Fiber cable size: accept 900µm buffered fiber, 3mm jacketed cable or 1.6mm – 2.0mm jacketed cable (noted in part description)
- 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)
- Field polish termination – Panduit recommends anaerobic adhesive on pages C.103, C.104
- Use field polish termination kit (FIELDKIT) on pages C.103, C.104 of SA-NCCB51.

**FSCM5BL****FSCMBL****FSCMRD****FSCDM****FSCSBU****FSCCLIP-L**

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>SC OM3/OM2 Multimode Fiber Optic Connectors</b>				
<b>FSCM5BL</b>	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
<b>FSCM2.05BL</b>	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
<b>FSCDM5BL</b>	SC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Black	1	10
<b>SC OM1 Multimode Fiber Optic Connectors</b>				
<b>FSCMBL</b>	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
<b>FSCMRD</b>	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Red	1	10
<b>FSCM2.0BL</b>	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
<b>FSCM2.0RD</b>	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Red	1	10
<b>FSCDM</b>	SC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Red & Black	1	10
<b>SC OS1/OS2 Singlemode Fiber Optic Connectors</b>				
<b>FSCSBU</b>	SC singlemode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	10
<b>FSCS2.0BU</b>	SC singlemode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	10
<b>SC 900µm Field Polish Boots</b>				
<b>FSCBT900AQ-X</b>	SC 10Gig™ OM3 Field Polish Boot for 900µm buffered fiber.	Aqua	10	100
<b>FSCBT900EI-X</b>	SC OM1 multimode field polish boot for 900µm buffered fiber.	Electric Ivory	10	100
<b>SC 1.6/2.0mm Field Polish Boots</b>				
<b>FSCBT2BU-X</b>	OptiCam® OS1/OS2 Singlemode 1.6/2.0mm Cable Retention Boot.	Blue	10	100
<b>SC 3.0mm Field Polish Boots</b>				
<b>FSCBT3AQ-X</b>	SC 10Gig™ OM3 Field Polish Boot for 3.0mm jacketed cable.	Aqua	10	100
<b>FSCBT3EI-X</b>	SC OM1 multimode field polish boot for 3.0mm jacketed cable.	Electric Ivory	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	—

# Mouser Electronics

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