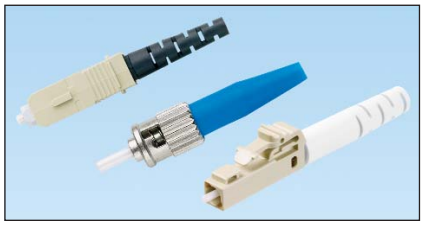
NetKey® Fiber Optic Connectors – Pot and Polish Termination

PANDUIT®

DATA SHEET

Pot and polish fiber optic connectors meet TIA/EIA 568-B.3 requirements, are TIA/EIA-604 FOCIS-3 (SC and ST and TIA/EIA-604 FOCIS-10 (LC) compliant and are field terminable. The fibers terminate in ceramic ferrules with non-optical disconnect functionality. Anaerobic adhesive is recommended for termination.



technical information

	SC Connector – Pot and Polish	ST Connector – Pot and Polish	LC Connector – Pot and Polish
Standards requirements:	TIA/EIA-604 FOCIS-3 compliant	TIA/EIA-604 FOCIS-2 compliant	TIA/EIA-604 FOCIS-10 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		
Jacketed cable size:	3.0mm jacketed cable or 900µm buffered fiber		1.6mm-2.0mm jacketed cable or 900µm buffered fiber
Insertion loss:	.1dB average (multimode), .15dB (singlemode)	.15dB typical (multimode), 0.20dB typical (singlemode)	.1dB average (multimode and singlemode)
Return loss:	>20dB (multimode), >40dB (singlemode)		

key features and benefits

	SC Connector – Pot and Polish	ST Connector – Pot and Polish	LC Connector – Pot and Polish
Ceramic ferrule	Provides the highest durability for repeated matings		
Non-optical disconnect	Maintains data transmission under tensile loads (SC and LC versions only)		
Robust design	Enhances network reliability; exceeds requirements of TIA/EIA-568-B.3		

applications

- Telecommunication rooms, LANs, public networks and fiber-to-the-desk applications
- Equipment cross-connects or interconnects in backbone, horizontal and work area applications for high speed data transmissions
- Multimode connectors provide easy to terminate and low cost fiber-to-the-desk applications
- Singlemode connectors provide added bandwidth capacity for complete data transmissions

NetKey® SC Pot and Polish Connectors with Zirconia Ceramic Ferrule	
62.5/125µm mm simplex – white boot:	NKFSCMWH
50/125µm mm simplex – black boot:	NKFSCMBL
50/125µm OM3/OM4 mm simplex – aqua boot:	NKFSCMAQ
Singlemode simplex – white boot:	NKFSCSWH
NetKey® ST Pot and Polish Connectors with Zirconia Ceramic Ferrule	
62.5/125µm or 50/125µm mm – black boot:	NKFSTMABL
62.5/125µm or 50/125µm mm – red boot:	NKFSTMARD
Singlemode with blue boot:	NKFSTSABU
NetKey® LC Pot and Polish Connectors with Zirconia Ceramic Ferrule	
62.5/125µm mm simplex – white boot:	NKFLCSMWH
50/125µm mm simplex – black boot:	NKFLCSMBL
50/125µm OM3/OM4 mm simplex – aqua boot:	NKFLCSMAQ
Singlemode simplex – white boot:	NKFLCSSWH
Termination Tooling	
110 V termination kit:	FIELDKIT
230 V termination kit:	FIELDKIT-G
Refurbishment kit:	FIELDKITRFB
Singlemode Connectors Also Require	
1µm diamond film:	FPF1-V
Polishing cloth:	FPCL-Q
Polishing slurry:	FPSL
SC Duplex Clip	
SC duplex clip:	NKFSCCLIP
LC Lock-In Duplex Clip	
LC lock-in duplex clip:	FLCCLIW-X
LC duplex clip:	NKFLCCLIP

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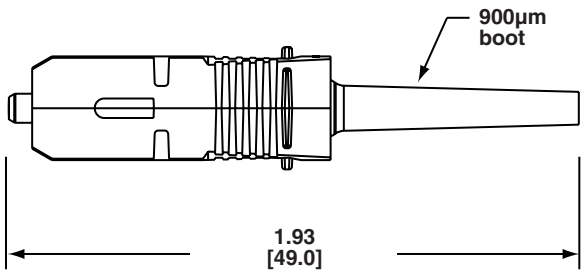
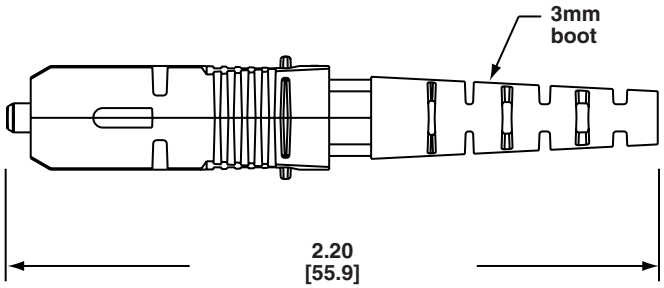
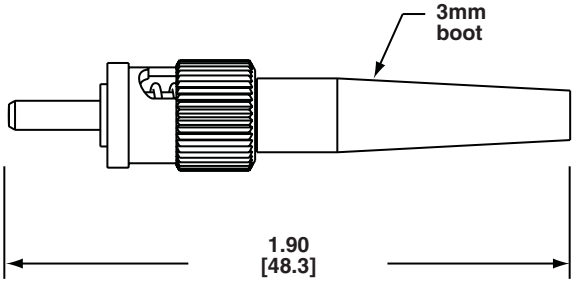
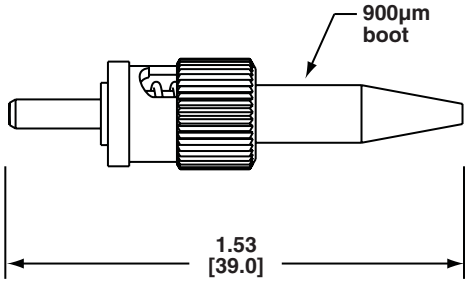
SC Connectors



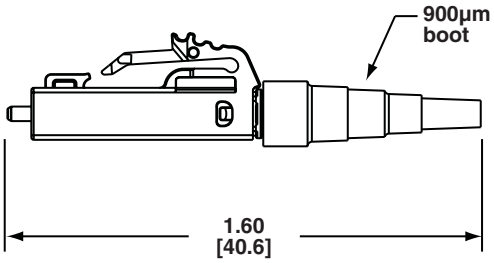


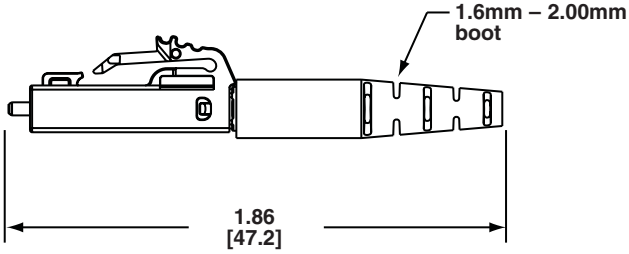
ST Connectors





LC Connectors





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

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