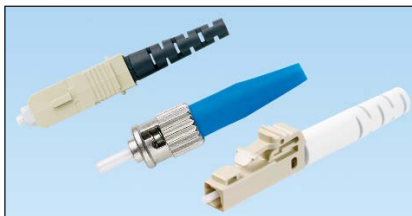


NetKey® Fiber Optic Connectors – Pot and Polish Termination

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

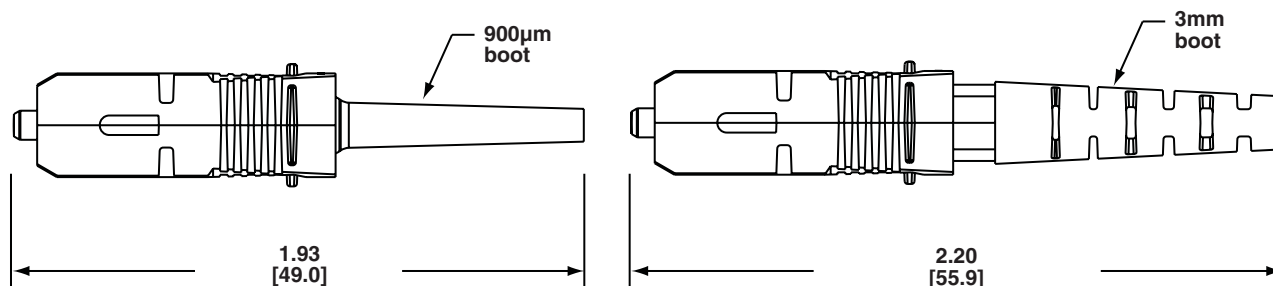
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| SC duplex clip: | NKFSCCLIP |
|-----------------|-----------|

LC Lock-In Duplex Clip

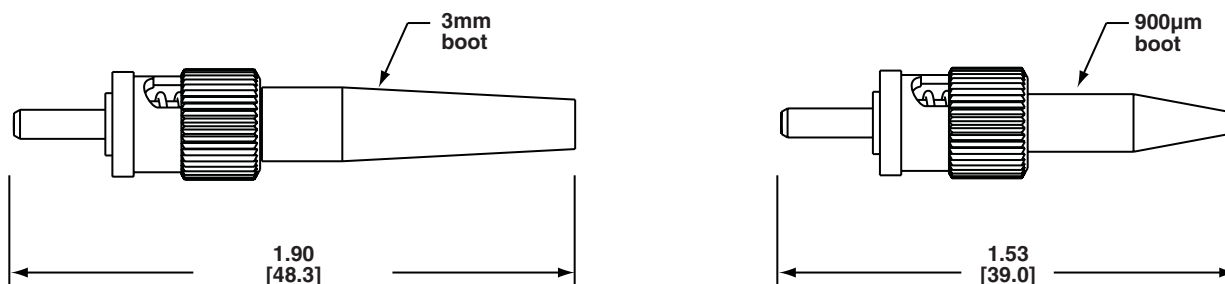
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| LC lock-in duplex clip: | FLCCLIW-X |
| LC duplex clip: | NKFLCCLIP |

NetKey® Fiber Optic Connectors – Pot and Polish Termination

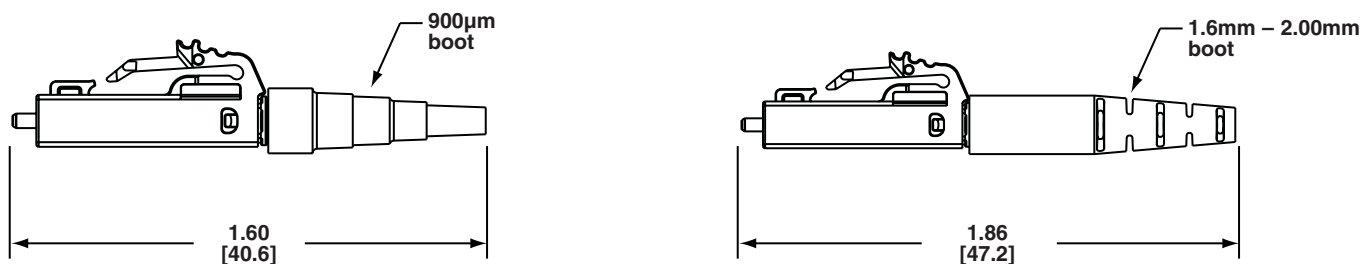
SC Connectors



ST Connectors



LC Connectors



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

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