

ST Connector

Description:

The ST connectors are offered in MM or SM performances with PC polishing method. It is delivered with standard 2.0/3.0 mm cable or 0.9 mm fiber boots.



Features:

- Coupling nut radial track minimizes the rotation needed to mate the connector
- One piece body construction simplifies fields assembly
- Single mode and multimode versions available
- Accommodates tight and loose tube buffer cables with jacket up to 3.1 mm
- Ceramic ferrules are configured for easy hand or machine "Super" PC and "Ultra" Polishing
- Metal housing with zirconia ferrule
- Boot options for 3.0 mm and 900 micron breakout cable
- Universal dust cap (fits, ST, SC, FC)

Specifications:

| | |
|--------------------------|---|
| Insertion loss (IL) typ: | 0.25 dB |
| Return loss (RL) | > 50 dB for jumper length up to 3 m |
| Strain relief | 100 N |
| Operating temperature | -40 °C to +80 °C, conditioned by type of cable |
| Durability | min 500 cycles |
| Assembly procedure | glue and polish |
| Connection | physical contact |
| Lock mechanism | coupling nut |
| Standards | Bellcore GR-326, TIA 568A |
| Ferrule material | full ceramic zirconia |
| Connector material | zinc alloy, nickel plated, thermoplastic rubber |


Application:

- LAN, WAN
- Measuring Technique
- Utilities
- Railways

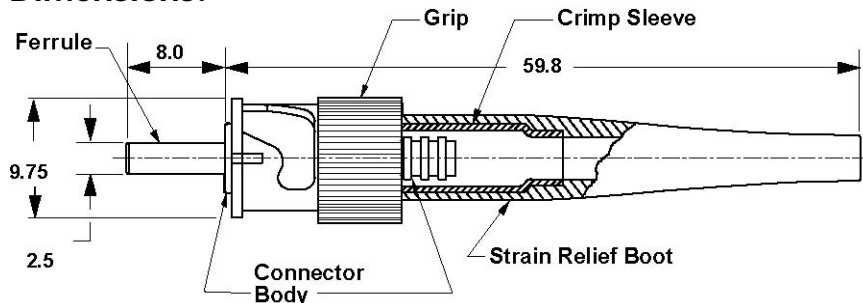
Ordering code:

| | | | | | |
|---|--|---|-------------|---|-------------|
| ST / PC | | - XX | - XX | - XX | - XX |
| connector type ST ST connector | | color BK black WH white | | zirconia ferrule type hole (μm) preformed shape 5 125 D dome 6 126 7 127 | |
| connector style MM multimode SM singlemode | | boot type 09 fiber Ø 0.9 mm 3B cable Ø 3.0 mm 20 cable Ø 2.0 mm 2S ¹ cable Ø 2.0 mm, short boot | | | |

Note: 1) short boot 3 mm, including crimp sleeve 2 mm

| Typical application of zirconia ferrules | | |  |
|--|----|---------------------|--|
| PC - MM | 7D | hole Ø 127 μm, dome | |
| PC - SM | 6D | hole Ø 126 μm, dome | |
| | 5D | hole Ø 125 μm, dome | |
| | | | Dome |

Dimensions:



Samples:



ST/PC-MM-BK-09-7D



ST/PC-MM-BK-20-7D



ST/PC-MM-BK-3B-7D



ST/PC-MM-WH-2S-7D

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SC Connector

Description:

The SC connectors are designed and manufactured according JIS, IEC, EIA/TIA and ANSI specifications for intermateability and optical performance. The SC connectors are offered in both MM or SM versions, with PC and APC polishing method. The SC connector is available in different color variants according to your demand.



Features:

- Pull proof, intuitive latching mechanism
- Meets SC connector standards
- Available SM, MM simplex or duplex connector
- Duplex clip available separately
- Pre-radiused ceramic ferrules configured for Super, Ultra, PC and APC polishing
- Ferrule assembly has high resolution tuning feature
- Bend relief boots meet TR-NWT - 000326 side load
- Dust cover

Specifications:

| | |
|-----------------------|--|
| Insertion loss (IL) | typ. 0.15 dB |
| Return loss (RL) | > 60 dB for jumper length up to 5 m |
| Strain relief | 100 N |
| Operating temperature | -40 °C to +80 °C, conditioned by type of cable |
| Durability | min 1000 cycles |
| Assembly procedure | glue and polish |
| Connection | physical contact |
| Lock mechanism | snap-on |
| Standards | ISO/IEC 11801, TIA 568A, CENELEC |
| Ferrule material | full ceramic zirconia |
| Connector material | thermoplastic, zinc alloy nickel plated |
| Adapter material | polymer composite, zinc alloy |

Application:


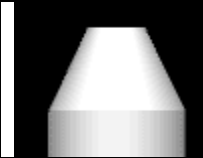
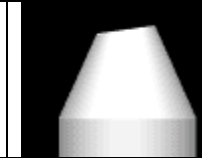
- Telecom
- LAN, WAN
- CATV
- Sensor Systems
- Measuring Technique
- Utilities, Railways

Ordering code:

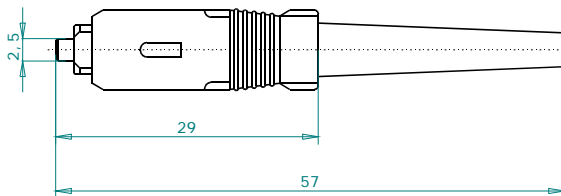
SC-(D) / (A)PC - XX - XX - XX - XX

| | | |
|---|---|--|
| connector type SC SC connector SC-D SC duplex connector connector style MM multimode SM singlemode | color BL blue BK black GR green RE red BG beige WH white | zirconia ferrule type hole (µm) preformed shape 5 125 D dome 6 126 C cone 7 127 A angle |
| boot type 09 fiber Ø 0.9 mm 3B cable Ø 3.0 mm 20 cable Ø 2.0 mm 2S¹ cable Ø 2.0 mm, short boot | | |

Note: 1) short boot 3 mm, including crimp sleeve 2 mm

| Typical application of zirconia ferrules: | | | | | |
|---|----|----------------------|--|---|--|
| PC - MM | 7D | hole Ø 127 µm, dome |  |  |  |
| PC - SM | 6D | hole Ø 126 µm, dome | | | |
| APC | 5C | hole Ø 125 µm, cone | | | |
| | 5A | hole Ø 125 µm, angle | Dome | Cone | Angle |

Dimensions:



Samples:



SC/APC-SM-GR-09-5C



SC/PC-MM-BG-3B-7D



SC/APC-SM-GR-3B-5C



SC/APC-SM-GR-20-5C



SC/PC-SM-BL-3B-5D



SC/PC-SM-WS-2S-5D

FC Connector

Description:

The FC connectors are designed and manufactured according to JIS, IEC, EIA/TIA and ANSI specifications for intermateability and optical performance. The FC connectors are available in both MM and SM versions with PC and APC polishing method.



Features:

- Pull proof
- Meets FC connector standard
- Available both standards:
 - APC205 - Methode, Seikoh Giken, JDSU
 - APC215 - Seiko Instruments
- Pre-radiused ceramic ferrules configured for Ultra, PC and APC polishing
- Pre-assembled option simplifies field termination
- Ferrule assembly has high resolution tuning feature
- Dust cover

Specifications:

| | |
|-----------------------|--|
| Insertion loss (IL) | typ. 0.15 dB |
| Return loss (RL) | > 60 dB for jumper length up to 5 m |
| Strain relief | 200 N |
| Operating temperature | -40 °C to +80 °C, conditioned by type of cable |
| Durability | min 1000 cycles |
| Assembly procedure | glue and polish |
| Connection | physical contact |
| Lock mechanism | coupling nut |
| Standards | JIS 5970, EIA/TIA FOCIS, CENELEC |

Material

| | |
|---------------------|--|
| Coupling Nut | stainless steel |
| Rear Body | zinc alloy, nickel plated |
| Ferrule Material | full ceramic zirconia |
| Crimp Sleeve | brass, tin plated |
| Boot and Dust Cover | thermoplastic rubber (flame retardant) |

Applications:

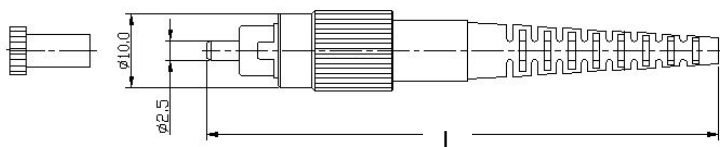
- Telecom
- LAN, WAN
- CATV, sensor systems, measuring technique
- Utilities, railways

Ordering code:

| FC / (A)PC | | - XX | | - XX | | - XX | | - XX | |
|------------------------|--|--------------|--|--|--|-----------------|--|------|--|
| connector type | | color | | Zirconia ferrule type | | | | | |
| FC FC connector | | BL blue | | hole (µm) | | preformed shape | | | |
| key width | | BK black | | 5 125 | | D dome | | | |
| PC 2.00 mm | | GR green | | 6 126 | | C cone | | | |
| APC 2.05 mm | | RE red | | 7 127 | | A angle | | | |
| connector style | | WH white | | boot type | | | | | |
| MM multimode | | | | 09 fiber Ø 0.9 mm | | | | | |
| SM singlemode | | | | 3B cable Ø 3.0 mm | | | | | |
| | | | | 20 cable Ø 2.0 mm | | | | | |
| | | | | 2S ¹ cable Ø 2.0 mm, short boot | | | | | |

Note: 1) short boot 3 mm, including crimp sleeve 2 mm

| Typical application of zirconia ferrules | | | | | |
|--|----|----------------------|---|--|---|
| PC - MM | 7D | hole Ø 127 µm, dome |  |  |  |
| PC - SM | 6D | hole Ø 126 µm, dome | | | |
| APC | 5C | hole Ø 125 µm, cone | | | |
| | 5A | hole Ø 125 µm, angle | Dome | Cone | Angle |

Dimensions:

 Key width:
 FC/PC all types: 2.00 mm
 FC/APC standard: 2.05 mm
 on request: 2.15 mm

L depends on boot type

Samples:


FC/PC-SM-BL-3B-6D



FC/PC-SM-BL-20-6D



FC/PC-MM-WH-3B-7D



FC/PC-SM-BK-20-6D



FC/PC-SM-BK-09-6D



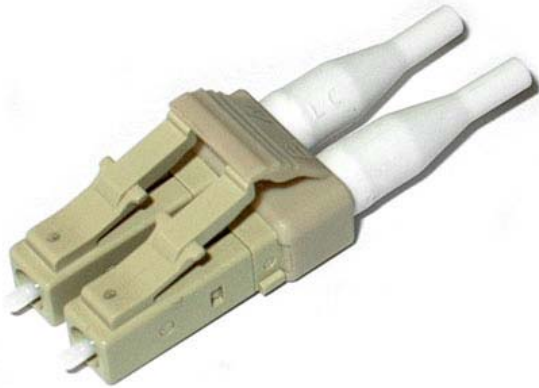
FC/PC-MM-WH-2S-7D

LC Connector

Description:

The innovative LC design offers a form factor one-half the size of current industry standards, and simple features create a new definition of user-friendliness.

The LC connector is manufactured to meet EIA/TIA 568A, FOCIS 10, IEC 61754-20 and CENELEC specifications for optical performance and intermateability. The LC Duplex fits into the RJ-45 standard cutout and uses the smallest diameter cable jacket in the industry.



Features:

- one-half the size of current industry standards
- increases panel density – provides duplex connection in 50% less space
- duplex fits RJ-45 footprint
- available in SM, MM versions with Super, Ultra and Angle (APC) polishing
- user-friendly audible latch to indicate proper mating
- simplex and duplex version available
- pull – proof 1.6 mm simplex mini-cord, 1.8 x 3.6 mm duplex minizip cable

Specifications:

| | |
|-----------------------|--|
| Insertion loss (IL) | Typ.: 0.10 dB |
| Return loss (RL) | >60 dB for jumpers up to 3 m |
| Strain relief | 90 N |
| Operating temperature | -40 °C to +80 °C |
| Durability | min 1000 cycles |
| Assembly procedure | glue and polish |
| Connection | physical contact |
| Lock mechanism | snap-on |
| Standards | ISO/IEC 11801, TIA 568A, IEC 61754-20, CENELEC |
| Ferrule material | full ceramic zirconia |
| Connector material | thermoplastic |

Application:



- Telecom
- LAN, WAN
- CATV
- Sensor systems
- Measuring Technique
- Utilities
- Railways

Ordering code:

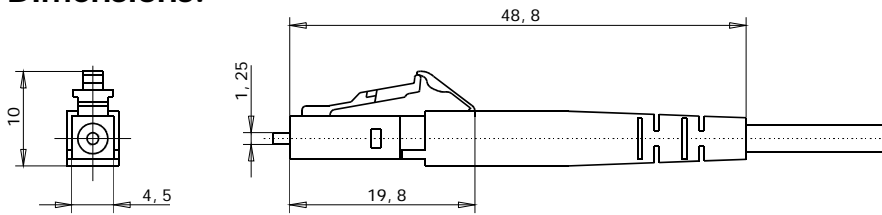
LC-(D) / (A)PC - XX - XX - XX - XX

| | | |
|---|---|--|
| connector type LC LC connector LC-D LC duplex LC-DU connector connector style MM multimode SM singlemode | color BL blue BG beige GR green | zirconia ferrule type hole (µm) pre formed shape 5 125 D dome 6 126 C cone 7 127 |
| | boot type 09 fiber Ø 0.9 mm 20¹ cable Ø 2.0 mm 30 cable Ø 3.0 mm UB uniboot | |

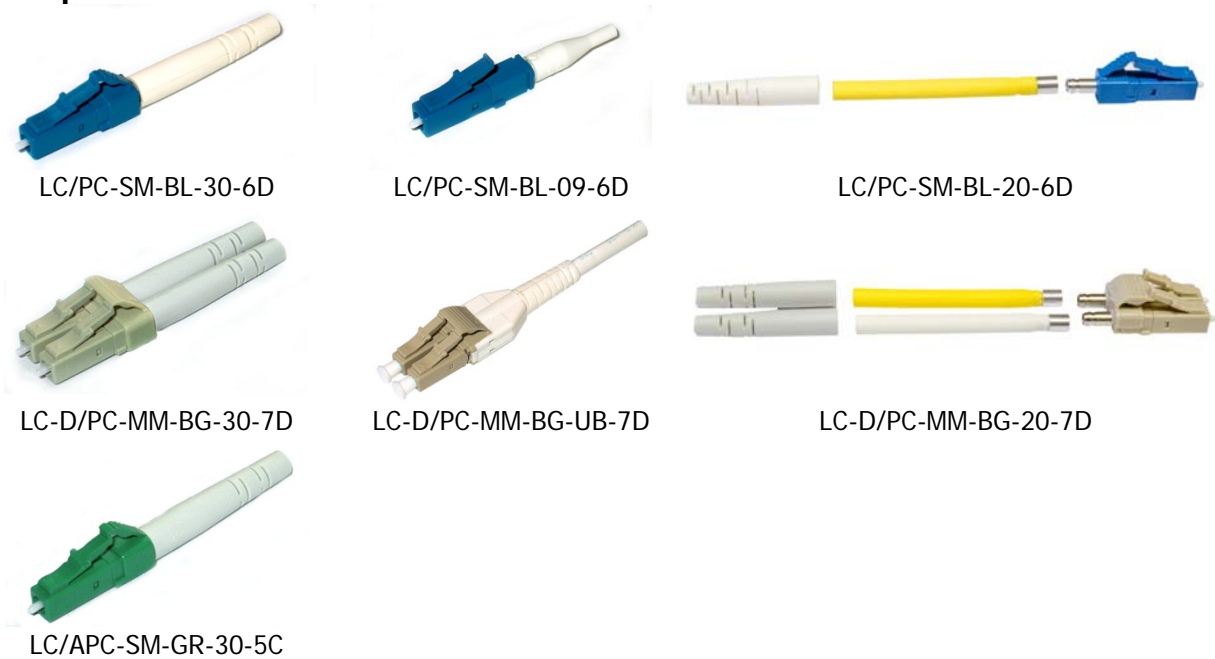
Note: 1) cable Ø 2 mm: boot 3 mm, crimp sleeve 2 mm is used

| Typical application of zirconia ferrules: | | |  |  |
|---|----|---------------------|---|--|
| PC - MM | 7D | hole Ø 127 µm, dome | | |
| PC - SM | 6D | hole Ø 126 µm, dome | | |
| APC | 5C | hole Ø 125 µm, cone | | |
| | | | Dome | Cone |

Dimensions:



Samples:



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