



A Furukawa Company

ST2 Fiber Optic Connector

Patented Hardware Provides Optimal Mechanical Stability in a Compact Package



*ST2 Multimode
Fiber Optic Connector*



*ST2 Single-Mode
Fiber Optic Connector*

Applications

The ST2 connector has been fortified with positive latching to prevent accidental decoupling. Since it's compatible with existing ST connectors and couplings, you can use it for cable-to-cable, cable-to-equipment, or equipment-to-equipment fiber connections for applications including:

- Local Area Networks (LANs)
- Computer backplane connections
- Computer peripheral interconnection
- Telecommunications networks
- Premise distribution
- Device termination

Features and Benefits

- **Stability** – Delivers high quality, dependable performance.
- **Space Savings** – Connector can be engaged/disengaged using the boot, thus allowing more connections in a given space, versus regular ST connectors.
- **Reduced Cost** – Advanced engineering helps ensure long life, saves replacement costs.
- **Easy Installation** – EZ installation requires no heat curing or field power and the connector connects or disconnects with just a twist of the boot.
- **Versatility** – Compatible with existing ST connectors and adapters.

Product Description

The ST2 Fiber Optic Connector features a ramped bayonet latch with a “twist-lock” mounting arrangement. It comes with predomed zirconia ferrules and is compatible with the C2000 adapters.

Note: The appropriate tool kit and consumable kit are required to field mount.

Attributes:

- Nominal Fiber OD: 125.0 μm
- Cable OD: 0.9 mm (Behind the Wall) or 3.0 mm
- Insertion Loss (μ, σ): 0.3 dB, 0.2 dB
- Return Loss: 44 dB min
- Mating Durability (insertion loss change after 500 reconnects): < 0.2 dB
- Temperature Stability: <0.3dB increase (-40 °C to +75 °C)
- Tip Material: Zirconia



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Specifications - Single-Mode Connector

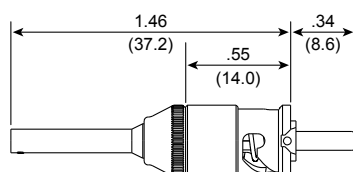
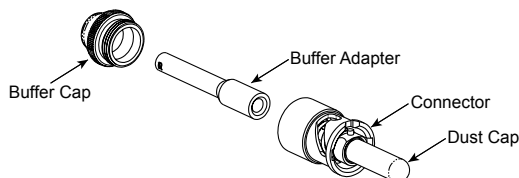
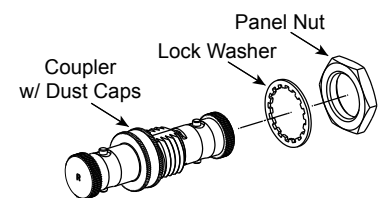
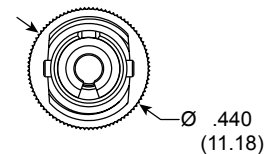
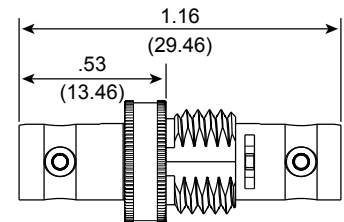
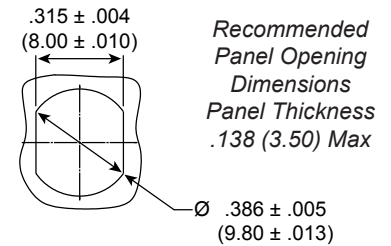
Product Code	P3020A-Z-125-3.0MM	P3020A-Z-125-0.9MM	
Comcode	300 388 238	300 388 246	
Loss*: μ , σ	0.3 dB, 0.2 dB	0.3 dB, 0.2 dB	
Return Loss (average, minimum)	44 dB, 40 dB	44 dB, 40 dB	
Fiber O.D. (nominal)	125 μ m	125 μ m	
Cable O.D., Buffer O.D.	3.0 mm	0.9 mm	
Loss repeat (500 reconnects)	<0.3 dB	<0.3 dB	
Axial load** (minimum)	Cable (3.0 mm) Buffer (0.9mm)	15 lbs. (6.8 kg)	2 lbs. (0.9kg)
Temp. stability (-40 °C to 75 °C)	<0.3 dB increase 40 dB minimal return loss		
Materials:	Tip Cap Body	Zirconia Brass, Ni-plated Brass, Ni-plated	
Mount time – EZ:	One	5 minutes	
Mount time – Epoxy:	One Twelve	18 minutes 8 minutes (average)	

Specifications - Multimode Connector

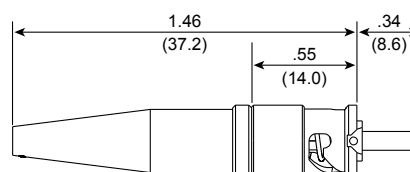
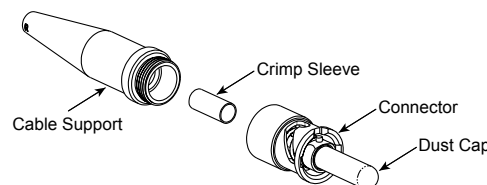
Product Code	P2020C-Z-125-3.0MM	P2020C-Z-125-0.9MM	
Comcode	300 388 212	300 388 220	
Loss*: μ , σ	0.3 dB, 0.2 dB	0.3 dB, 0.2 dB	
Fiber O.D. (nominal)	125 μ m	125 μ m	
Cable O.D., Buffer O.D.	3.0 mm	0.9 mm	
Loss repeat (500 reconnects)	<0.3 dB	<0.3 dB	
Axial load** (minimum)	Cable (3.0 mm) Buffer (0.9mm)	15 lbs. (6.8 kg)	2 lbs. (0.9kg)
Temp. stability (-40 °C to 75 °C)	<0.3 dB increase		
Materials:	Tip Cap Body	Zirconia Brass, Ni-plated Brass, Ni-plated	
Mount time – EZ:	One	5 minutes	
Mount time – Epoxy:	One Twelve	18 minutes 8 minutes (average)	

* Complete connection, concatenated statistics, 62.5/125 μ m fiber (multimode), 8.3/125 μ m fiber (single-mode). Dry connection.

** Cable dependent. Cable figures representative of use with OFS jumper cordage or equivalent.



ST2 Connector for Termination of 0.9 mm Buffered Fiber
(Shown with buffer adapter assembled & dust cap removed)



ST2 Connector for Termination of 1.6, 2.4 and 3.0 mm Jacketed Fiber
(Shown with cable support assembled & dust cap removed)



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Ordering Information - Connectors

Product Code	Description	Comcode	Bulk Pack (100) Comcode
P2020C-Z-125	ST2 Connector Assembly (0.9, 3.0 mm)	106 812 274	106 952 500
P2020C-Z-125-0.9MM	ST2 Connector Kit (0.9 mm)	300 388 220	
P2020C-Z-125-3.0MM	ST2 Connector Kit (3.0 mm)	300 388 212	
P3020C-Z-125	SM ST2 Connector Assembly (0.9, 3.0 mm)	106 812 258	106 952 518
P3020A-Z-125-0.9MM	SM ST2 Connector Kit (0.9 mm)	300 388 246	
P3020A-Z-125-3.0MM	SM ST2 Connector Kit (3.0 mm)	300 388 238	

Ordering Information - Adapters

Product Code	Style	Comcode	Bulk Pack (100) Comcode
C2000A-2	Bayonet/threaded – MM	104 148 028	106 795 511
C3000A-2	Bayonet/threaded – SM	105 271 142	106 672 447
10A	100A and 200A LIU panel for (6) ST couplings	104 141 858	
1000ST	LGX® 200B and 400A LIU panel for (6) ST couplings	105 392 005	

Tools, Kits, and Consumables

Product Code	Description	Comcode
1032F1	Tool Kit without oven	107 149 320
1032B5	Tool Kit with oven for epoxy	106 705 213
1032B6	Tool Kit with international oven for epoxy	106 919 012
D-182969	Consumables for mounting 100 Connectors on MiniCord Cable	108 292 426
1032H	Mini Tool Kit	108 267 279
1510A	Polishing Fixture - SC/ST	108 237 710
1510B	Crimping Tool - SC/ST	106 918 998
600B	Connector Holder	107 118 549
Pad	Universal Polishing Pad	300 472 644
MM Kit	Universal Polishing Kit MM (consumables for 100 connectors)	300 486 552
SM Kit	Universal Polishing Kit SM (consumables for 100 connectors)	300 472 651
Primer	Primer	106 730 849
Adhesive	Adhesive	106 730 856
1026A	Micro-strip heated tool, fiber stripper	105 514 764



1032H EZ
Termination Tool Kit

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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