

ST[®] II+ Connectors

Single-Mode & Multimode



Patented Hardware Provides Optimal Mechanical Stability in a Compact Package

Product Description

Every aspect of your network is important – from cables to connectors to cabinets. We know you want the best designs, technology that works, and services that support. You can count on OFS to deliver.

Rugged and Easy to Install:

The ST[®] II+ Connector is designed to meet Telcordia environmental and mechanical tests and has improved strain-relief capabilities over standard ST designs. You can breeze through installation in less than five minutes using our EZ installation procedure which includes one-step polishing (for multimode). The connector's domed zirconia ferrule uses a PC polish to help ensure excellent fiber-to-fiber physical contact for low loss and low reflections. You can mount the ST II+ Connector on either 0.9 mm buffered fiber or on 3.0 mm 9000 Series or equivalent cordage. Buildouts and attenuators are also available. Perhaps best of all, the ST II+ Connector is easily connected and disconnected with a mere twist of the boot.

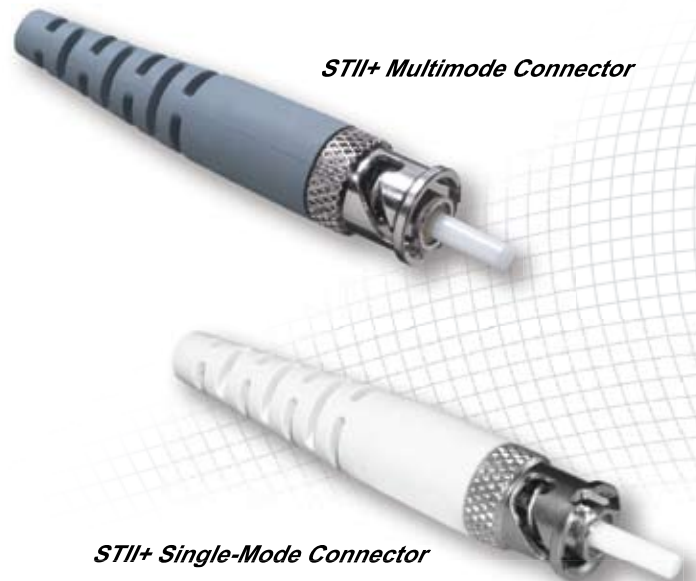
Eliminate Signal Interruptions:

Since the ST II+ Connector prevents momentary disconnects when an axial load is placed on jumper cordage, you'll no longer worry about signal interruptions. And you'll enjoy reliable performance in installations where space is limited.

Applications:

The ST II+ 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.



STII+ Multimode Connector

STII+ Single-Mode Connector

Benefits:

- **Stability** – Delivers high quality, dependable performance and prevents momentary disconnect from axial loads.
- **Space Savings** – Connector can be engaged/disengaged using the boot, thus allowing maximum number of connections in a given space.
- **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.

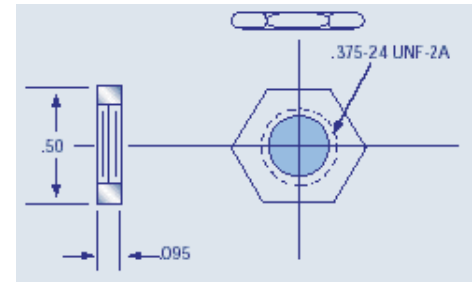
Value Statement

When you use OFS' enhanced ST II+ Single-Mode and Multimode Connectors, you'll get what you're looking for: high performance, easy field mounting, and a rugged pull-proof design. All in a compact package designed to reduce costs. Saving you money is an OFS priority – and money saved is money earned.

Specifications

Specifications

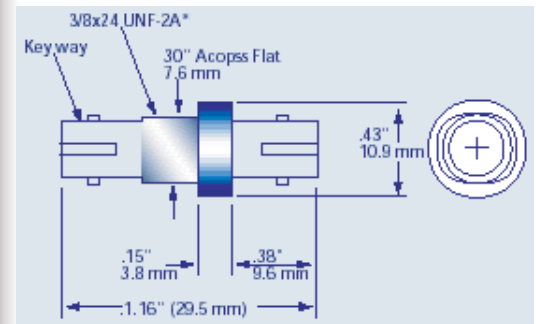
<i>Multimode Connector</i>		<i>P2070A-Z-125</i>	<i>P2071A-Z-125</i>
Comcode		107 082 786	107 082 802
Loss*: μ , σ		0.3 dB, 0.2 dB	0.3 dB, 0.2 dB
Fiber O.D. (nominal)		125 μ m	125 μ m
Cable O.D., Buffer O.D.		3.0 mm, 0.9 mm	0.9 mm
Loss repeat (500 reconnects)		<0.3 dB	<0.3 dB
Axial load** (minimum)	Cable (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	Zirconia	
	Cap	Brass, Ni-plated	
	Body	Brass, Ni-plated	
Mount time – EZ:	One	5 minutes	
Mount time – Epoxy:	One	18 minutes	
	Twelve	8 minutes (average)	



***C2000A-2 Coupling, (Retainer Nut),
C3000A-2 Coupling***

Single-Mode Connector

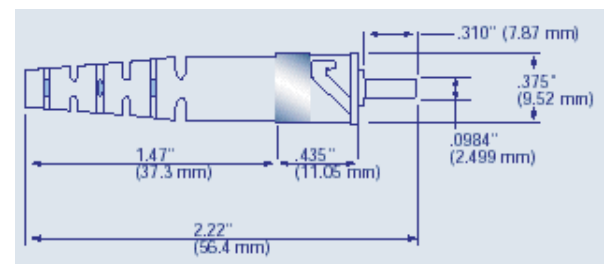
<i>Single-Mode Connector</i>		<i>P3070A-Z-125</i>	<i>P3071A-Z-125</i>
Comcode		107 082 810	107 082 836
Loss*: μ , σ		0.3 dB, 0.2 dB	0.3 dB, 0.2 dB
Return Loss (average, minimum)		44 dB, 40 dB	44 dB, 40 dB
Fiber O.D. (nominal)		125 μ m	125 μ m
Cable O.D., Buffer O.D.		3.0 mm, 0.9 mm	0.9 mm
Loss repeat (200 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	Zirconia	
	Cap	Brass, Ni-plated	
	Body	Brass, Ni-plated	
Mount time – EZ:	One	5 minutes	
Mount time – Epoxy:	One	18 minutes	
	Twelve	8 minutes (average)	



***C2000A-2 Coupling, (Bayonet/Threaded),
C3000A-2 (Threaded)***

* 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.



STII+ Connector

Ordering Information

Connectors

<i>Product Code</i>	<i>Application</i>	<i>Nominal Fiber O.D.</i>	<i>Comcode</i>	<i>Bulk Pack (100) Comcode</i>
P2070A-Z-125 (Multimode)	3.0 mm cordage and 0.9 mm buffered fiber	125 μ m	107 082 786	107 226 706
P2071A-Z-125 (Multimode)	0.9 mm buffered fiber only	125 μ m	107 082 802	107 226 714
P3070A-Z-125 (Single-Mode)	3.0 mm cordage and 0.9 mm buffered fiber	125 μ m	107 082 810	107 227 076
P3071A-Z-125 (Single-Mode)	0.9 mm buffered fiber only	125 μ m	107 082 836	107 227 084

Adapters

<i>Adapter Product Codes</i>	<i>Style</i>	<i>Comcode</i>	<i>Bulk Pack (100) Comcode</i>
C2000A-2	Bayonet/threaded – MM	104 148 028	106 795 511
C3000A-2	Bayonet/threaded – SM	105 271 142	106 672 447

Tool Kits & Consumables

<i>Product Codes</i>	<i>Description</i>	<i>Comcode</i>
D-182737	1032 Upgrade Kit	106 919 210
1032F1	ST II, ST II+, and SC EZ Tool Kit	107 149 320
1032B5	ST II, ST II+, and SC Tool Kit	106 705 213
1032B6	ST II, ST II+, and SC Tool Kit Int'l	106 919 012
D-182738	ST II, ST II+, and SC Consumables (for 100 Multimode connectors, using heat cured epoxy)	106 919 236
1510A	Polishing Fixture	106 918 980
1510B	Crimp Tool	106 918 998
D-182804	ST II, ST II+, and SC EZ Consumable Kit (for 500 multimode connectors)	108919143
D-182720	ST II, ST II+, and SC EZ Consumable Kit (for 100 single-mode connectors)	106 834 039
D-182739	ST II, STII+, and SC Consumables (for 100 single-mode connectors, using heat cured epoxy)	106 919 244
600B	Connector Holder	107 118 549
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
1026A	Micro-Strip Heated tool, fiber stripper	105 514 764

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

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fap-121-0808



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