



# ST CONNECTORS



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Amphenol's 953 Series fiber optic ST and STII connector utilizes a bayonet style mating concept to provide a secure, robust coupling mechanism. The enclosed spiral slotted coupling nut allows easy insertion in densely packed patch panels.

The ST connector has been used extensively in telecom, data premise installation, and test lab applications. Special attention has been given to every ST performance parameter, increasing product repeatability and exceeding industry standards. The ST connector is available with a plastic or die cast body with a ceramic or stainless steel ferrule.

## Features and Benefits

- The ST connector body and coupling nut are precision molded with a flame retardant polymer for a durable and light weight product
- The STII connector body and coupling nut are precision zinc die cast and nickel plated for superior strength and corrosion resistance
- High precision zirconia ferrules minimize insertion loss and return loss values
- Available in singlemode and multimode versions
- Available with 900 $\mu$ m, 2.0mm, or 3.0mm, 45/90 degree, and flex boots
- Stainless steel ferrules also available on both the ST and STII connector

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## Specifications

<b>Insertion Loss:</b>	$\leq 0.15$ dB typical, singlemode $\leq 0.25$ dB typical, multimode
<b>Return Loss:</b>	Ultra (UPC) $\leq -55$ dB*
<b>Durability:</b>	$< 0.2$ dB change, 500mating cycles
<b>Temperature:</b>	$< 0.3$ dB change, $-40$ to $+85^{\circ}$ C

### Intermateability:

Amphenol 953 Series ST connectors are mechanically and optically intermateable with NTT- FC type products and conform to TIA/EIA and IEC specifications.

\*Performance is polish dependent

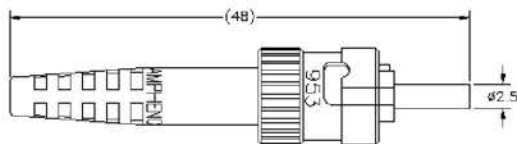




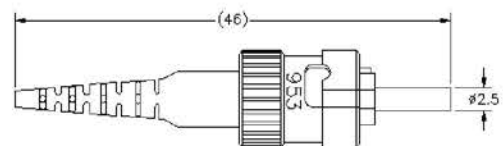


## ST Connector Ordering Information

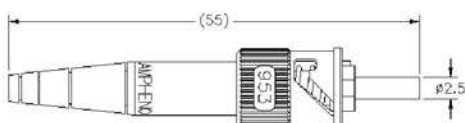
Part # (ST II with Ceramic Ferrule)	Description	Ferrule Hole Size	Recommended Cable Diameter	Body and Nut Material	Boot Color
953-101-5306-P	STII Connector, Singlemode, 126µm Zirconia Ferrule	126µm	3mm or 900µm	Die-cast	Black
953-101-5310-P	STII Connector, Multimode, 128µm Zirconia Ferrule	128µm	3mm or 900µm	Die-cast	Black
953-101-5316-P	STII Connector, Singlemode, 126µm Zirconia Ferrule	126µm	2mm	Die-cast	Black
953-101-5309-P	STII Connector, Multimode, 128µm Zirconia Ferrule	128µm	2mm	Die-cast	Black
Part # (ST II with Stainless Steel Ferrule)					
953-106-50128-P	STII Connector, Multimode, 128µm Stainless Steel Ferrule	128µm	3mm or 900µm	Die-cast	Black
953-106-50144-P	STII Connector, Multimode, 144µm Stainless Steel Ferrule	144µm	3mm or 900µm	Die-cast	Black
953-106-50231-P	STII Connector, Multimode, 231µm Stainless Steel Ferrule	231µm	3mm or 900µm	Die-cast	Black
Part # (ST with Ceramic Ferrule)					
953-101-5006-P	ST Connector, Singlemode, 126µm Zirconia Ferrule	126µm	3mm or 900µm	Plastic	Plastic
953-101-5010-P	ST Connector, Multimode, 128µm Zirconia Ferrule	128µm	3mm or 900µm	Plastic	Plastic
Part # (ST with Stainless Steel Ferrule)					
953-107-50128-P	ST Connector, Multimode, 128µm Stainless Steel Ferrule	128µm	3mm or 900µm	Plastic	Black
953-107-50144-P	ST Connector, Multimode, 144µm Stainless Steel Ferrule	144µm	3mm or 900µm	Plastic	Black
953-107-50231-P	ST Connector, Multimode, 231µm Stainless Steel Ferrule	231µm	3mm or 900µm	Plastic	Black



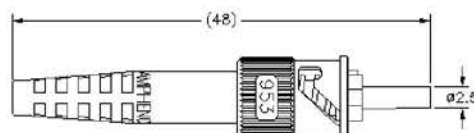
ST Connector with 3.0mm Boot



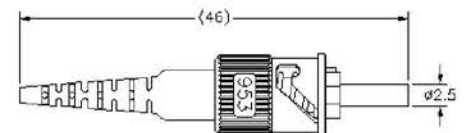
ST Connector with 900µm Boot



STII Connector with 2.0mm Boot



STII Connector with 3.0mm Boot



STII Connector with 900µm Boot

# ST VARIATIONS



ST



STII



STII Long Body

Connector Body



High Performance



Standard



Short



45°



90°



Flex Boot

Boots

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