

ST Connectors and Adapters

CORNING

Features and Benefits

Metal Body Constructions

Single-mode and Multimode Versions

2 mm, 3 mm, and 900 μ m Boot Options in Various Colors

Precision Preradiused Zirconia Ferrules

Corning's 720 series ST fiber connectors and adapters offer superior performance and high repeatability. These products are fully intermateable with all standard ST products and deliver very high stability under a wide range of applications and conditions. The 720 series utilizes tightly toleranced preradiused Zirconia ferrules to ensure consistent low loss and easy assembly. Corning also provides a family of ST fiber coupling adapters to support the ST connectors. These adapters utilize high-tolerance sleeves to ensure consistent low loss and exceptional stability.

Standards

RoHS Free of hazardous substances according to RoHS2011/65/EU

Design and Test Criteria Product is qualified to Telcordia GR-326-CORE

TAA-Compliant



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Specifications – ST Connector / 720 Series

Parameters	Multimode	Single-mode
Insertion Loss	0.2 dB Typical 0.3 dB Maximum	0.2 dB Typical 0.3 dB Maximum
Back Reflection	-25 dB Typical	-35 dB PC Polish -45 dB Super PC -55 dB Ultra PC
Connector Durability	500 Matings	
Connector Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.1$ dB
Temperature Cycling	$\Delta IL < 0.2$ dB / $\Delta RL < 5$ db	
Vibration	$\Delta IL < 0.2$ dB / $\Delta RL < 5$ db	
Cable Retention	> 15 lb	
Operating Environment	-40°C to +85°C	

Specifications – ST Adapter / 740 Series

Parameters	Phosphor/Bronze	Zirconia
Insertion Loss	< 0.3 dB	< 0.2 dB
Connector Durability	500 Matings	500 Matings
Connector Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.2$ dB
Operating Temperature	-40°C to +85°C	-40°C to +85°C

Ordering Information – ST Connector / 720 Series

ST Connector / 720 Series

7 2 0 - 0 0 - 0 0 B

1 2 3 4

1 Select Ferrule Type

- 1: SM 125 μ m
- 2: SM 126 μ m
- 3: MM 128 μ m

2 Select Boot Type

- 1: 900 mm Boot
- 2: 2 mm Ribbed Boot
- 3: 2 mm Rubber Boot
- 4: 3 mm Ribbed Boot
- 5: 3 mm Rubber Boot
- Other: Custom

3 Select Boot Color

- 1: MM: Black
- 2: SM: Yellow

4 Select Dust Cap Color

- 0: SM: Translucent
- 1: MM: Black

Color Chart

- 0: Translucent (Cap Only)
- 1: Black
- 2: Yellow
- 3: Green
- 4: Red
- 5: Blue
- 6: Orange
- 7: Beige
- 8: White

Notes:

All parts are sold in units of 100
Refer to color chart for additional non-standard boot and housing colors
Non-standard color lead time may be longer.

These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.

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Ordering Information – SC Adapter / 740 Series

Parts Number**	Description
740-0011-001-ST	Threaded, Metal Sleeve
740-0011-N01-ST	Threaded, Metal Sleeve, Generic
740-0041-001-ST	Threaded, Ceramic Sleeve
740-0085-001-ST	Duplex, Plastic Housing, Ceramic Sleeve, Blue Body
740-0097-001-ST	SDuplex, Plastic Housing, Metal Sleeve, Beige Body

Notes:

All parts are sold in units of 100

Refer to color chart for additional non-standard boot and housing colors

Non-standard color lead time may be longer.

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