SC – PC Connectors and Adapters

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Features and Benefits
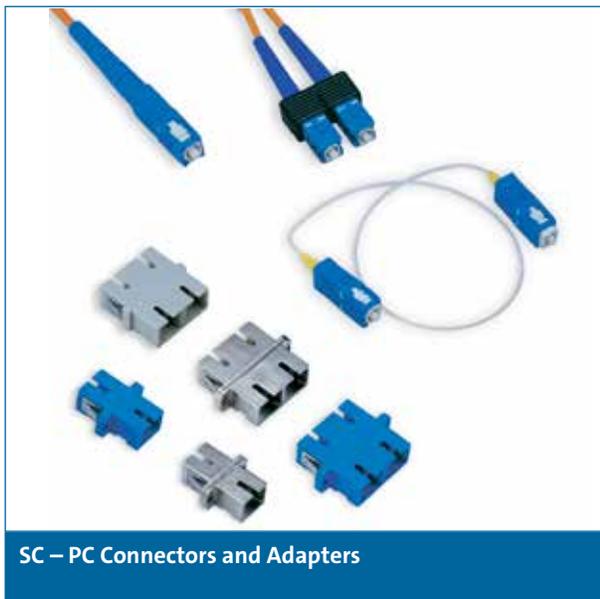
Patented NOD Connector Spacer Element Design

Patented Universal SC Duplex Clip Option

Standards

RoHS	Free of hazardous substances according to RoHS2011/65/EU
Design and Test Criteria	Product is qualified to Telcordia GR-326-CORE
	Is TIA/EIA-604-3 compliant with intermateability standards

Corning's 728 series of SC connectors and 740 series of SC adapters offer superior performance with high repeatability. Fully intermateable with standard NTT SC, these products deliver long-term stability for a range of applications and conditions. They utilize tightly toleranced preradiused Zirconia ferrules for consistent and low-loss performance. The 728 connector series features a patented NOD spacer element for greater reliability and improved ease of assembly. These products are available in either a premium metal body or in a polymer body construction.

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Specifications – SC – PC Connector / 728 Series

Parameters	Multimode	Single-mode
Insertion Loss	0.2 dB Typical 0.3 dB Maximum	0.15 dB Typical 0.25 dB Maximum
Back Reflection	-25 dB Typical	-55 dB Ultra PC
Connector Durability	500 Matings	
Connector Repeatability	ΔIL < 0.2 dB	ΔIL < 0.1 dB
Temperature Cycling	ΔIL < 0.1 dB	
Vibration	ΔIL < 0.1 dB	
Cable Retention	> 15 lb	
Operating Environment	-40°C to +85°C	

Specifications – SC Adapter / 740 Series

Parameters	Multimode	Single-mode
Insertion Loss	< 0.3 dB	< 0.2 dB
Connector Durability	500 Matings	500 Matings
Connector Repeatability	ΔIL < 0.2 dB	ΔIL < 0.2 dB
Operating Temperature	-40°C to +85°C	-40°C to +85°C

Ordering Information – SC Connector / 728 Series

SC Connector / 728 Series

728 - ☐ ☐ ☐ 0 - ☐ ☐ ☐ 0 B
  1 **2** **3**   **4** **5** **6**

1 Select Ferrule Type
1: SM 125 µm
2: SM 126 µm
3: MM 127 µm
7: APC 125 µm (Step)
8: APC 126 µm (Step)
9: APC 126 µm (Conical)

2 Select Body Type
1: Simplex One Piece
2: Duplex One Housing
4: Duplex w/ Clip (w/o A/B)
5: Duplex w/Clip (w/ A/B)
6: Duplex w/ One Piece Clip

3 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
8: 2mm Short Ribbed
Other: Custom

4 Select Housing Color
3: APC: Green
5: SM: Blue
7: MM: Beige

5 Select Boot Color
3: APC: Green
5: SM: Blue
7: MM: Beige

6 Select Dust Cap Color
0: SM: Translucent
1: MM: Black
3: APC: Green

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
740-011X-004	SC, Metal Sleeve, Plastic Body with Flange
740-012X-004	SC, Ceramic Sleeve, Plastic Body with Flange
740-031X-004	SC, Metal Sleeve, Plastic Body w/t Flange
740-032X-004	SC, Ceramic Sleeve, Plastic Body w/t Flange
740-013X-004	SC, Duplex, Metal Sleeve, Plastic Housing with Flange
740-014X-004	SC, Duplex, Ceramic Sleeve, Plastic Housing with Flange
740-033X-004	SC, Duplex, Metal Sleeve, Plastic Housing w/o Flange
740-034X-004	SC, Duplex, Ceramic Sleeve, Plastic Housing w/o Flange
740-0011-004	SC, Metal Sleeve, Metal Body
740-0041-004	SC, Ceramic Sleeve, Metal Body
740-002N-004	SC, Duplex, Metal or Ceramic Sleeve, Metal Body with Threaded Mounting Hole
740-005N-004	SC, Duplex, Metal or Ceramic Sleeve, Metal Body with Flange
740-017X-004	SC-ST, Duplex, Plastic Housing, Metal Sleeve
740-023N-004	SC-FC, Simplex, Flange Type, Metal or Ceramic Sleeve
740-912X-004	Premium, SC, Ceramic Sleeve, Plastic Body with Flange
740-932X-004	Premium, SC, Ceramic Sleeve, Plastic Body w/o Flange

Notes:

All parts are sold in units of 100
Refer to color chart for additional non-standard boot and housing colors
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