

High Performance, Precision Design

Multimode or Singlemode Specification

Pigtail and Cable Boots Included

**Features**

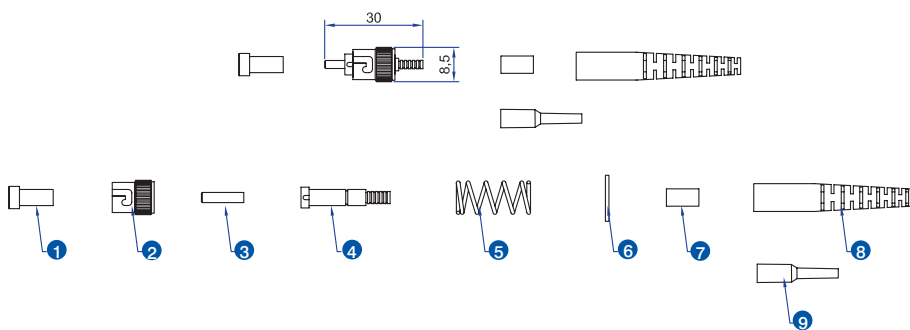
- High Quality Precision Ceramic Ferrule
- High Quality Precision Nickel Plated Brass Housing
- Consistent High Performance
- Supplied with 900µm and 3mm cable strain relief boot

**Product Overview**

The Excel range of ST simplex optical fibre connectors are precision tooled to provide the highest levels of reliability and performance, each connector has a 2.5mm ceramic ferrule which is housed in a nickel plated brass housing. The range extends to singlemode and multimode. Regardless of choice of style each connector is supplied with a 900µm and 3mm strain relief boot suitable for use with pigtail and buffered fibre cables respectively.

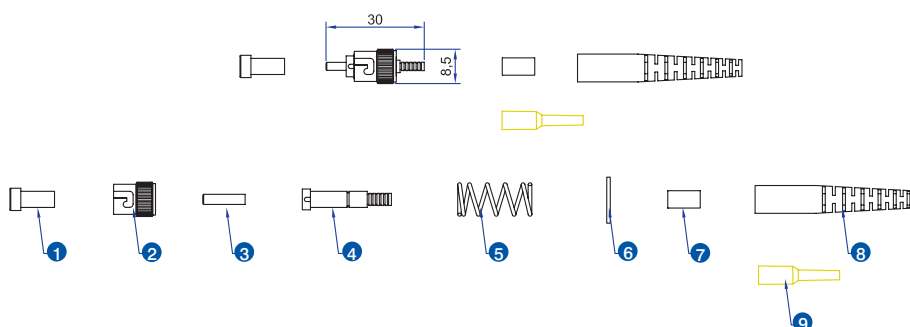
**Product Schematics**

**Multimode**



- 1 Dust cover
- 2 Housing
- 3 Multimode Ferrule
- 4 Flange
- 5 Spring
- 6 Buckle
- 7 ST 3.0 Crimp
- 8 ST 3.0 Black boot
- 9 ST 0.9 Black boot

**Singlemode**



- 1 Dust cover
- 2 Housing
- 3 Singlemode Ferrule
- 4 Flange
- 5 Spring
- 6 Buckle
- 7 ST 3.0 Crimp
- 8 ST 3.0 Black boot
- 9 ST 0.9 Yellow boot

## Product Specification

Optical Performance	
<b>Multimode Optical Connector</b>	
Insertion Loss	0.3dB Maximum
<b>Singlemode Optical Connector</b>	
Insertion Loss	0.3dB Maximum
Return Loss	> 50dB UPC Style Ferrule
<b>Strain Relief Boots</b>	
Pigtail Boot	900µm black (MM) yellow (SM)
Cable Boot	3mm black, 2mm upon request
<b>Mechanical Performance</b>	
Durability	Upto 1000 matings
Ferrule Diameter	2.5mm +/- .001
Ferrule Tolerance	126 +/- 0.5µm internal diameter – Singlemode
Ferrule Tolerance	127 +/- 0.5µm internal diameter – Multimode
Finish	Pre-radiused PC end, radius 10 to 25mm
Operating Temperature	- 40 to + 85 °C
Mating Mechanism	Bayonet Twist Lock
<b>Standards Compliance</b>	
Compatibility	IEC61754-20 Optical Fibre Connector Interface
Durability	IEC61300-2-2 Fibre Optic Interconnecting Devices
Optical Performance	IEC61753-1 Optical Fibre interconnecting devices and passive components performance standard

## Part Number Information

### Multimode Optical Fibre Connectors

Part No.	Description
200-330	Excel ST Simplex Connector, multimode

## Part Number Information

### Singlemode Optical Fibre Connectors

Part No.	Description
200-319	Excel ST Simplex Connector, singlemode

Also available within the Excel fibre optic range are multicore cables, patch cords, pigtails and patch panels.



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