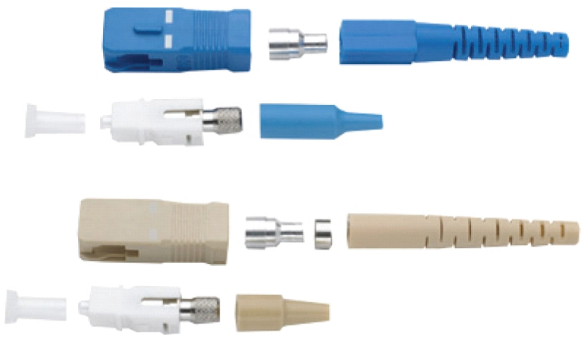
Excel Optical Fibre Connector - SC Style

excel
without compromise.

FIBRE



- High Performance, Precision Design
- Simplex Footprint
- Multimode or Singlemode Specification
- Pigtail and Cable Boots Included

Features

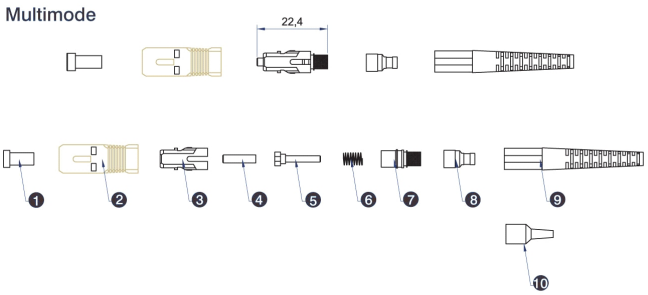
- High Performance, Precision Design
- Multimode or Singlemode Specification
- High Quality Precision Ceramic Ferrule
- Consistent High Performance
- Colour coded housing - Beige Multimode, Blue Singlemode
- Simplex Footprint
- Pigtail and Cable Boots Included
- High Quality Precision Polymer Housing
- Supplied with 900µm and 3mm cable strain relief boot
- APC Green Polymer housing and green boot 900µm and 3mm

Product Overview

The Excel range of SC 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 colour coded polymer frame. The SC simplex design of the Excel connector enables conversion to a duplex style connector by the use of a simple jointing clip, which is snapped into place over two simplex housings to create either a straight through or cross over cable. The range extends to singlemode - Blue housing, and multimode Beige housing. 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.

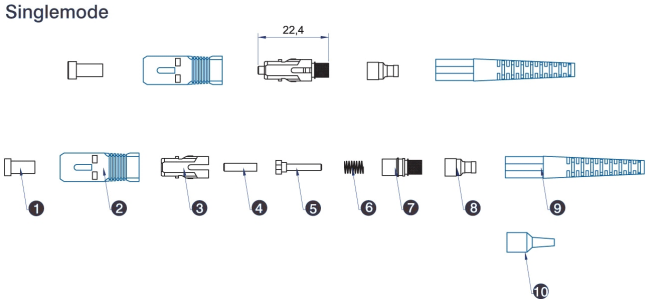
Product Schematics

Multimode



1. Dust cover
2. Beige housing
3. White plug
4. Multimode Furrule
5. Flange
6. Spring
7. Retention Member
8. SC 3.0mm Crimp
9. SC 3.0mm Biege boot
10. SC 0.9mm Biege boot

Singlemode



1. Dust cover
2. Blue housing
3. White plug
4. Singlemode Furrule
5. Flange
6. Spring
7. Retention Member
8. SC 3.0mm Crimp
9. SC 3.0mm Blue boot
10. SC 0.9mm Blue boot

Product Specification

Multimode Optical Connector	-
Insertion Loss	0.3dB Maximum
Singlemode Optical Connector	-
Insertion Loss	0.3dB Maximum
Return Loss	> 50dB UPC Style Ferrule
Return Loss	>60dB APC Style Ferrule
Strain Relief Boots	-
Pigtail Boot	900µm beige (MM) blue (SM)
Cable Boot	3mm beige (MM) blue (SM), 2mm upon request
Mechanical Performance	-
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	Push, Pull Lock
Standards Compliance	-
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

Multimode Optical Fibre Connectors

Part No.	Description
200-358	Fibre Optic Connectors Mulitmode SC Simplex

Singlemode Optical Fibre Connectors

Part No.	Description
200-351	Fibre Optic Connectors Singlemode LC Simplex
200-564	SC/APC Simplex 9/125 Connector Pre-Angled 8 degrees, green

System Warranty

The Excel System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited Excel Partner who has designed, supplied and installed the said system.

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at **sales@excel-networking.com**

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www.excel-networking.com

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