# Excel Enbeam Optical Fibre Connector SC Simplex OS2 Singlemode Blue

**Part Code: 200-361**

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## Main Features

/ High precision Ceramic Ferrules

/ Pre-radiused ferrules

/ Moulded & Colour-Coded shrouds

/ 900 micron and 3mm boot & crimp included

## Product Overview

Enbeam SC single piece connectors are designed for quick and easy termination either on-site or in the factory. Suitable for use with both loose tube and tight buffered cable, can be used with epoxy or the cold cure termination systems.
The SC range covers Multimode and Singlemode options which includes all colours - Beige, Aqua, Violet, Blue and Green options for all Multimode and Singlemode & APC fibre types. All connectors have precision Zirconia ceramic ferrules which are pre-radiused for rapid polishing/finishing.

Strain relief boots are included, yellow for singlemode and black for multimode. By using the Excel SC Duplex Clips, two SC Simplex Connectors can be joined to form a single SC Duplex Connector.


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## Product Specifications

| Feature | Values |
|---|---|
| Model | **Connector** |
| Suitable for type of fibre | **Single mode** |
| Type of connector | **SC** |
| Connection type | **adhere (glue)** |
| Colour | **Blue** |

## Additional specifications

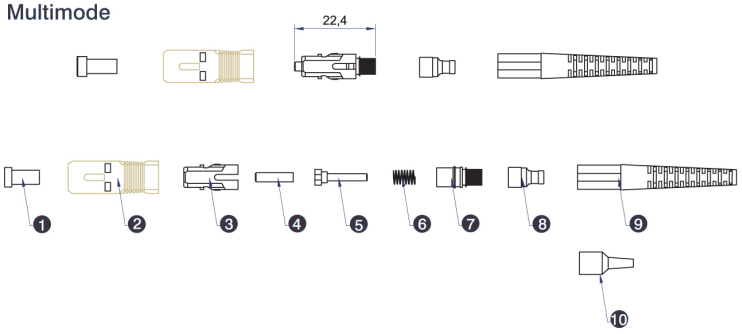
| Features | Multimode | Singlemode UPC | Singlemode APC |
|---|---|---|---|
| Insertion Loss | **0.3dB Max.** | **0.3dB Max.** | **0.3dB Max** |
| 3mm Boot Colour | **Black** | **Black** | **Green** |
| 0.9mm Boot Coloue | **Beige** | **Blue** | **Green** |
| Durability | **1000 matings** | **1000 matings** | **1000 matings** |
| Ferrule Material | **Zirconia** | **Zirconia** | **Zirconia** |
| Ferrule Diameter | **2.5mm +/- 0.001** | **2.5mm +/- 0.001** | **2.5mm +/- 0.001** |
| Ferrule Hole Diameter | **127 +/- 0.5 um** | **126 +/- 0.5 um** | **126 +/- 0.5um** |
| Ferrule Pre-Radius | **10 to 25mm** | **10 to 25mm** | **7 to 10mm** |
| Connector material | **Moulded Polymer** | **Moulded Polymer** | **Moulded Polymer** |
| Colour | **OM1/OM2 - Beige** | **Blue** | **Green** |
| | **OM3 - Aqua** | | |
| | **OM4 - Violet** | | |
| Operating Temperature | **-40 to 85C** | **-40 to 85C** | |



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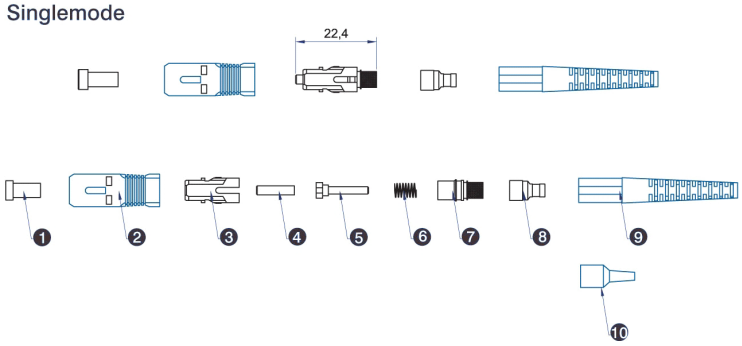
## Product drawings

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

## Standards

| Applicable standard | Detail |
|---|---|
| IEC 61754-2:1996 | Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family |
| IEC 61300-2-2:2009 | Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-2: Tests – Mating durability |
| IEC 61753-1:2018 | Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance |
| Directive 2011/65/EU (RoHS II) | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states). |


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| | |
|---|---|
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant. |
| Directive 2008/98/EC (WFD) | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988). |
| ECHA SCIP Database | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH. |
| Regulation (EU) 2019/1021 (POPs) | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355). |
| UK SI 2012 No. 3032 | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

## Part Code Table

| Part Code | Description |
|---|---|
| 200-358 | **Excel Enbeam Optical Fibre Connector SC Simplex OM1/OM2 Multimode Beige** |
| 200-358-100 | **Excel Enbeam Optical Fibre Connector SC Multimode Beige (100-Pack)** |
| 200-358-AQ | **Excel Enbeam Optical Fibre Connector SC Multimode Aqua** |
| 200-358-VT | **Excel Enbeam Optical Fibre Connector SC Multimode Violet** |
| 200-361 | **Excel Enbeam Optical Fibre Connector SC Simplex OS2 Singlemode Blue** |
| 200-564 | **Excel Enbeam Optical Fibre Connector SC APC Simplex OS2 Singlemode Green** |


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