# Excel Enbeam Optical Fibre Connector LC Simplex OM3 Multimode Aqua

**Part Code: 200-353-AQ**

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## Main Features

- / High Density, Small Form Factor
- / High precision Ceramic Ferrules
- / Colour-Coded shrouds
- / Singlemode & Multimode variants
- / Pre-radiused ferrules
- / 900 micron and ruggedised boots & crimp included

## Product Overview

Enbeam LC small-form-factor 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 LC range covers Multimode and Singlemode options in both simplex and duplex options, which include all colours - Beige, Aqua, Violet and Blue options for all Multimode and Singlemode fibre types. All connectors have precision Zirconia 1.25mm ceramic ferrules which are pre-radiused for rapid polishing/finishing.


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## Product Specifications

| Feature | Values |
|---|---|
| Model | **Connector** |
| Suitable for type of fibre | **Multi mode** |
| Type of connector | **LC** |
| APC-type | **no** |
| Connection type | **adhere (glue)** |
| Colour | **Aqua** |
| Fibre class | **OM3** |

## Additional specifications

| Features | Multimode | Singlemode |
|---|---|---|
| Insertion Loss | **0.3dB Max.** | **0.3dB Max.** |
| 3mm Boot Colour | **White** | **White** |
| 0.9mm Boot Coloue | **White** | **White** |
| Durability | **1000 matings** | **1000 matings** |
| Ferrule Material | **Zirconia** | **Zirconia** |
| Ferrule Diameter | **1.25mm +/- 0.001** | **1.25mm +/- 0.001** |
| Ferrule Hole Diameter | **127 +/- 0.5 um** | **126 +/- 0.5 um** |
| Ferrule Pre-Radius | **7 to 15mm** | **7 to 15mm** |
| Connector material | **Moulded Polymer** | **Moulded Polymer** |
| Colour | **OM1/OM2 - Beige** | **Blue** |
| | **OM3 - Aqua** | |



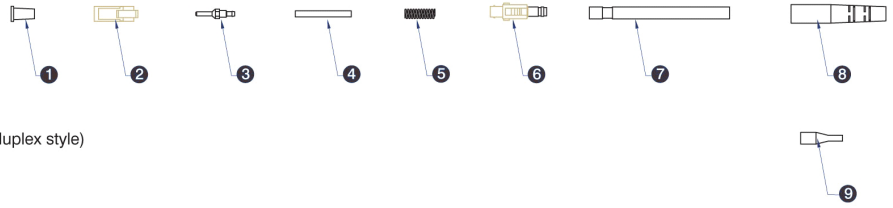
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| | OM4 - Violet | |
|---|---|---|
| Operating Temperature | -40 to 85C | -40 to 85C |

## Product drawings



1. Dust cover
2. Beige front housing
3. Multimode Ferrule + Flange
4. Transparent PVC tube
5. Spring
6. Beige simplex back housing
7. White heat shrink tube
   (plus 1x white heat shrink for duplex style)
8. 2mm White boot
9. White 0.9mm boot

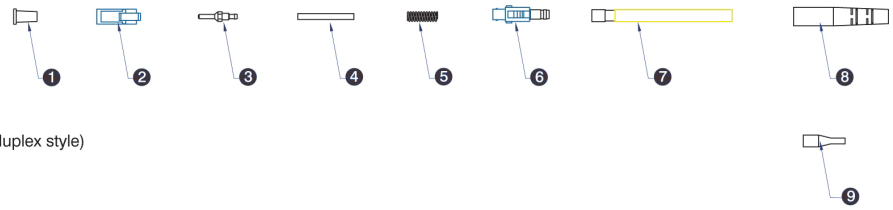


Note: Duplex version consists of 2 of each component shown plus a beige jointing clip.

### Singlemode - Simplex



1. Dust cover
2. Blue front housing
3. Singlemode Ferrule + Flange
4. Transparent PVC tube
5. Spring
6. Blue simplex back housing
7. Yellow heat shrink tube
   (plus 1x white heat shrink for duplex style)
8. 2mm White boot
9. White 0.9mm boot



Note: Duplex version consists of 2 of each component shown plus a blue jointing clip.

## 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 |



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| | |
|---|---|
| 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). |
| 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 |
|---|---|
| 200-349 | **Excel Enbeam Optical Fibre Connector LC Duplex OS2 Singelmode Blue** |
| 200-351 | **Excel Enbeam Optical Fibre Connector LC Simplex OS2 Singlemode Blue** |
| 200-352 | **Excel Enbeam Optical Fibre Connector LC Duplex OM1/OM2 Multimode Beige** |
| 200-352-AQ | **Excel Enbeam Optical Fibre Connector LC Duplex OM3 Multimode Aqua** |


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| | |
|---|---|
| 200-352-VT | **Excel Enbeam Optical Fibre Connector LC Duplex OM4 Multimode Violet** |
| 200-353 | **Excel Enbeam Optical Fibre Connector LC Simplex OM1/OM2 Multimode Beige** |
| 200-353-100 | **Excel Enbeam Optical Fibre Connector LC Simplex OM1/OM2 Multimode Beige (100-Pack)** |
| 200-353-AQ | **Excel Enbeam Optical Fibre Connector LC Simplex OM3 Multimode Aqua** |
| 200-353-VT | **Excel Enbeam Optical Fibre Connector LC Simplex OM4 Multimode Violet** |



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