



- ✗ High Density, Small Form Factor
- ✗ Singlemode & Multimode variants
- ✗ High precision Ceramic Ferrules
- ✗ Pre-radiused ferrules
- ✗ Colour-Coded shrouds
- ✗ 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.

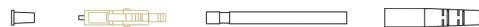
Product Specifications

| Feature | Values |
|----------------------------|---------------|
| Model | Connector |
| Suitable for type of fibre | Multi mode |
| Type of connector | LC |
| APC-type | no |
| Connection type | adhere (glue) |
| Colour | Violet |
| Fibre class | OM4 |

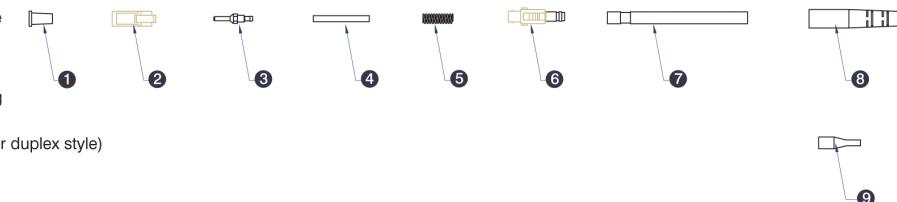
Additional specifications

| 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 | |
| | 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

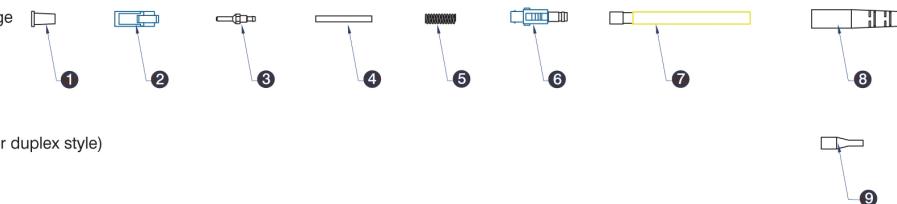


Note: Duplex version consists of 2 of each component shown plus a beige jointing clip.

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 |
| IEC 61753-1:2018 | Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance |
| RoHS-II/-III (2011/65/EU & 2015/863): 2023 | Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III). |
| WFD: 2023 | Compliant to Waste Framework Directive |
| SCIP: 2023 | Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products) |
| POPs (EU) No 2019/1021 | EU Regulation for the restriction of Persistent Organic Pollutants. |

Part Number Table

| Part Number | 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 |
| 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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