

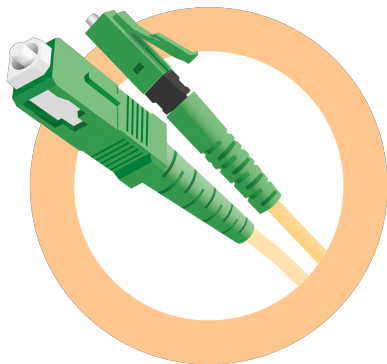
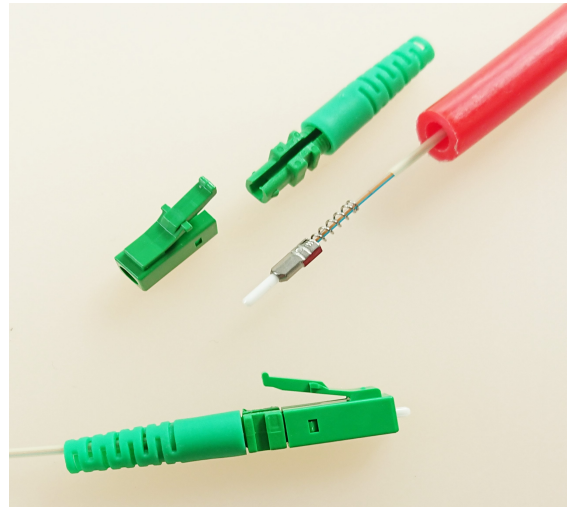
## 160-02 Series LCv-Venturi™ Connector



The Ridgemount LCv™ [LC Venturi™] is a simplex LC connector with a unique patented ferrule designed for blown fibre applications.

Optimized for use with Emtelle's FibreFast™ bundle the LCv™ ferrule can be blown over 1km in designated Microducts. The connector kit is simply clicked on after installation to provide a standard LC APC interface.

It is ideal for the drop cables that require a minimum of installation time and skill.



<https://www.emtelle.com/solutions-library/qwklink/>

## Applications

- FTTH Telecom Interconnects
- Blown Fibre Micro-ducts
- Internal / External Installations
- Emtelle FibreFast™ compatible

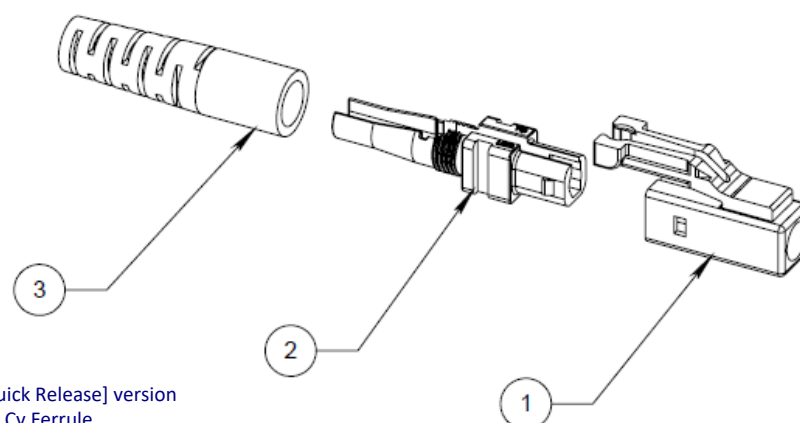
## Features

- Industry Standard LC Interface Compliant
- Small Patented Ferrule
- Standard Termination Process
- PC and APC Options

## Benefits

- Compatible with all Telecom industry adaptors
- Suitable for Blown Fibre Bundles and Microducts
- Commercially Available Assembly Tooling
- Supplied on Emtelle's QWKconnect™ & QWKLink™

## Schematic



1. Front Body - LCv-QR [Quick Release] version
2. Rear Body housing the LCv Ferrule
3. Fibre Bundle Retention Boot

## Technical Specification

160 Series	LC Venturi™	PERFORMANCE
Plug Connector	IEC 61754-20	LC Venturi
Connector Material	Plastic	TPE
Optical Alignment	Physical Contact	PC & APC options
Ferrule	Zirconia Ceramic 1.25mm	ID125.5 / 0.5µm
Fibre Channels	Simplex	One
Crimp Die Size	NA	NA
Total Length [Including Boot]	mm	37mm
<b>Optical Performance</b> - <i>subject to termination method and fibre grade .</i>		
Insertion Loss [Max]	IEC 61300-3-4	≤0.25dB
Insertion Loss [Typical]	IEC 61300-3-4	≤0.12dB
Insertion Loss [Random]	IEC 61300-2-40/41	≤0.25dB >97%
Return Loss	IEC 61300-3-6	UPC>55dB; APC>65dB
Repeatability	IEC 61300-2-2	±0.2dB / 500 matings
End Face Symmetry	IEC 61755-2-1	Radius: Offset: Height:
<b>Mechanical Performance</b> - <i>subject to termination method and fibre grade .</i>		
Vibration	IEC 61300-2-1	10Hz – 55Hz
Durability	IEC 61300-2-2	x 500 matings
Impact	IEC 61300-2-12	5 Drops (1.5m)
Fibre Retention	IEC 61300-2-4	≤30N with Emtelle FibreFast
<b>Environmental Performance</b> - <i>subject to termination method and fibre grade .</i>		
Operational Temperature	IEC 61300-2-22	-40°C to +85°C

## Ordering Information

For more information please contact Emtelle [+44 1450 364000] [www.emtelle.com](http://www.emtelle.com)  
or Ridgemount Technologies [+4401869 277233] [www.ridgemount.com](http://www.ridgemount.com)