

# LightBow™ Pre-Polished Connectors

Combined with Siemon's exclusive patent-pending LightBow termination tool, Siemon LightBow pre-polished mechanical splice connectors can be deployed with unsurpassed termination speed and quality via a built-in VFL verification window and the ability to adjust or reterminate. Available in both LC and SC configurations, these connectors support both multimode and singlemode versions of Siemon's XGLO® and LightSystem® solutions.



## OPTICAL PERFORMANCE

### Insertion Loss (Typical)

- MM: 0.20dB
- SM: UPC 0.20dB
- SM: APC 0.30dB

### Return Loss (Typical)

- MM: -37 dB
- SM: UPC -55dB
- SM: APC  
-60dB for 1310nm  
-65dB for 1550nm



**Factory Assembled** – LightBow connectors ship factory-assembled, eliminating time-consuming field assembly of inner and outer connector bodies.



**Quality Performance** – Termination combines splicing and crimping in a single step, eliminating handling that can impact integrity. Dust cap also stays in place to protect end face polish from contamination.



**VFL Verification Window** – Built-in window in the connector body is used with the 0.5mW output power, Laser Class 1 VFL to verify a good termination. Connector can be adjusted or reterminated if needed.

## Ordering Information:

### LC Multimode

Part #	Description
FC1-LB-LC6-9BG	LC simplex connector, beige, 62.5/125µm multimode (OM1), 900µm buffered fiber, white boot
FC1-LB-LC5-9AQ	LC simplex connector, aqua, 50/125µm multimode (OM3/OM4), 900µm buffered fiber, white boot

### LC Singlemode

Part #	Description
FC1-LB-LCU-9BL	LC simplex connector (UPC), blue, singlemode (OS1/OS2), 900µm buffered fiber, white boot
FC1-LB-LCA-9GR	LC simplex connector (APC), green, singlemode (OS1/OS2), 900µm buffered fiber, white boot



### SC Multimode

Part #	Description
FC1-LB-SC6-9BG	SC simplex connector, beige, 62.5/125µm multimode (OM1), 900µm buffered fiber, white boot
FC1-LB-SC5-9AQ	SC simplex connector, aqua, 50/125µm multimode (OM3/OM4), 900µm buffered fiber, white boot

### SC Singlemode

Part #	Description
FC1-LB-SCU-9BL	SC simplex connector (UPC), blue, singlemode (OS1/OS2), 900µm buffered fiber, white boot
FC1-LB-SCA-9GR	SC simplex connector (APC), green, singlemode (OS1/OS2), 900µm buffered fiber, white boot



**Note:** For use with 900µm tight buffer terminations only. Fan-out kits to transition from 250µm to 900µm cannot be used with LightBow connectivity.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

**Worldwide Headquarters**  
**North America**  
 Watertown, CT USA  
 Phone (1) 860 945 4200

**Regional Headquarters**  
**Europe Russia Africa**  
 Chertsey, Surrey, England  
 Phone (44) 0 1932 571771

**Regional Headquarters**  
**China**  
 Shanghai, P.R. China  
 Phone (86) 215385 0303

**Regional Headquarters**  
**Latin America**  
 Bogota, Colombia  
 Phone (571) 657 1950/51/52

**Regional Headquarters**  
**India Middle East**  
 Dubai, United Arab Emirates  
 Phone (971) 4 3689743

**Regional Headquarters**  
**Asia Pacific**  
 Sydney, Australia  
 Phone (86) 21 5385 0303

**Siemon Interconnect Solutions**  
**Watertown, CT USA**  
 Phone (1) 860 945 4213 US  
[www.siemon.com/SIS](http://www.siemon.com/SIS)