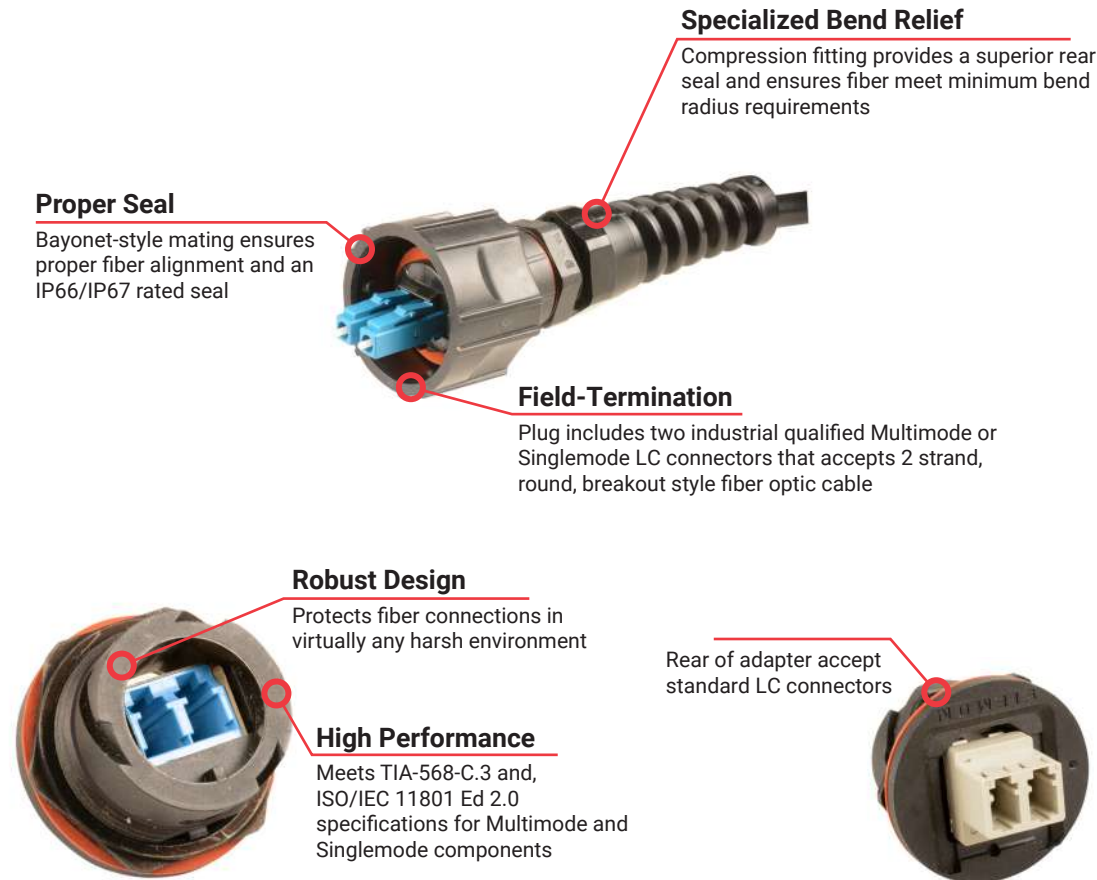


# Ruggedized LC Fiber Connectivity

## Regional Availability - Global

The Siemon Ruggedized LC Fiber solution provides a robust fiber connection with an IP66/IP67-rated seal and is ideal for protecting fiber connections in laboratory environments, hospitals, food processing plants and other harsh environments. The Siemon Ruggedized Fiber solution is ideal for installations requiring extended distances, in close proximity to heavy sources of EMI, or where fiber active equipment is used.



### Precision Performance

R&D labs develop, design and implement rigorous testing programs using sophisticated instrumentation. The ruggedized LC provides reliability with leading edge technology for applications where highly accurate performance is critical.



### Robust and Reliable

Ruggedized fiber connections help to streamline operations and reduce costs in manufacturing environments by avoiding regular replacement of standard connectors that cannot withstand these environments.



### Meets Harsh Demands of the Environment

The ruggedized LC connector is ideal in areas where chemicals, corrosive gases and liquids are commonplace.

## Product Information

### Ruggedized G2 LC Fiber Adapters

The Ruggedized G2 LC adapters are inserted from the front of the mounting service and feature an aggressive rear locking nut to ensure secure positioning. They can be used in conjunction with Siemon's ruggedized LC fiber plugs to provide a robust fiber connection with an IP66/67 rated seal.

Part #	Description
<b>XG2-XLC-LC-MM</b>	Ruggedized G2 bulkhead adapter, LC, duplex, Multimode, beige adapter
<b>XG2-XLCQ-LCQMM</b>	Ruggedized G2 bulkhead adapter, LC, duplex, Multimode, aqua adapter
<b>XG2-XLC-LC-SM</b>	Ruggedized G2 bulkhead adapter, LC, duplex, Singlemode, blue adapter
<b>XG2-XLC-XLC-MM</b>	Ruggedized G2 Inline adapter, LC, duplex, Multimode, beige adapter
<b>XG2-XLCQ-XLCQMM</b>	Ruggedized G2 inline adapter, LC, duplex, Multimode, aqua adapter
<b>XG2-XLC-XLC-SM</b>	Ruggedized G2 inline adapter, LC, duplex, Singlemode, blue adapter



### Ruggedized LC Fiber Adapters

Part #	Description
<b>XLC-MM</b>	Ruggedized LC bulkhead fiber adapter, Multimode, duplex, beige adapter
<b>XLCQ-MM</b>	Ruggedized LC bulkhead fiber adapter, Multimode, duplex, aqua adapter
<b>XLC-SM</b>	Ruggedized LC bulkhead fiber adapter, Singlemode, duplex, blue adapter



Note: Bulkhead adapters feature bayonet-style mating on the front of the adapter and a standard LC interface on the rear for use with sealed work area faceplates or fully sealed enclosures where the rear of the adapter is protected from the environment. Inline adapters feature bayonet-style mating on both front and rear of the adapter for use as pass through connections or with unsealed enclosures.

### Ruggedized LC Fiber Plugs

Part #	Description
<b>XPLC2-MM</b>	Ruggedized LC fiber plug, Multimode, duplex. Includes two beige Multimode LC connectors
<b>XPLC2-SM</b>	Ruggedized LC fiber plug, Singlemode, duplex. Includes two blue Singlemode LC connectors

Note: Ruggedized LC fiber plugs accepts 2 strand, round, breakout style fiber optic cable with O.D. ranges from 5mm – 8mm (0.20 - 0.31 in.) with two 2.4mm – 3.0mm (0.09 - 0.12 in.) jacketed subunits.



## Product Information

### Ruggedized Dust Caps

The Ruggedized dust caps are the ideal way to protect your investment in your ruggedized cabling system. Outlet dust caps can be used to protect unused outlets or to seal an outlet during wash down periods when the outlet and plug may be disconnected. Plug dust caps protect ruggedized patch cords from exposure to elements or accidental damage when not mated to an outlet. Dust caps are constructed of industrial-grade thermoplastic for superior protection and durability. Additionally, outlet and plug dust caps feature a retention tether, which prevents them from being misplaced when not in use.



#### PART NUMBER

XP-CAP2

XG2P-CAP

X-CAP

XG2-CAP

#### DESCRIPTION

Ruggedized plug dust cap with metal retention tether

Ruggedized G2 plug dust cap with nylon retention tether

Ruggedized MAX outlet dust cap with metal retention tether

Ruggedized G2 outlet dust cap with nylon retention tether

### Ruggedized Surface Mount Boxes

The Siemon Ruggedized MAX Surface Mount Box (IBOX) mounts either Siemon copper or fiber ruggedized outlets. Boxes provide an IP66/IP67 (NEMA 4X) seal and can be mounted on virtually any flat surface. Available in 1, 2, 3, and 4-port versions. Compression fittings provided for cable entry.



#### PART NUMBER

X-IBOX-01

X-IBOX-02

X-IBOX-03

X-IBOX-04

#### DESCRIPTION

Ruggedized surface mount box, 1-port, supplied with 1 cable entry compression fitting

Ruggedized surface mount box, 2-port, supplied with 2 cable entry compression fittings

Ruggedized surface mount box, 3-port, supplied with 3 cable entry compression fittings

Ruggedized surface mount box, 4-port, supplied with 4 cable entry compression fittings

Note: Contact Technical Support for punch tool to create Ruggedized knockouts for custom mounting.

### Ruggedized Stainless Steel Faceplates

Mount Siemon's Ruggedized outlets and adapters into these stainless steel faceplates for a protective seal from moisture and debris. The faceplates are available in 1-, 2-, 3- and 4-port options with a rear sealing gasket and carry an IP44 rating. Faceplates include mounting screws with sealed screw head.



#### PART NUMBER

XFP-S-01-SS

XFP-S-02-SS

XFP-D-03-SS

XFP-D-04-SS

#### DESCRIPTION

Single gang faceplate, 1-port, stainless steel

Single gang faceplate, 2-port, stainless steel

Double gang faceplate, 3-port, stainless steel

Double gang faceplate, 4-port, stainless steel

## Technical Information

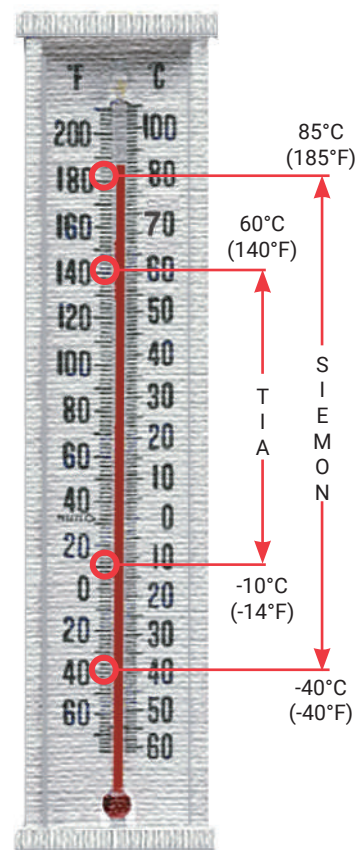
<b>Enclosure Protection</b>	IP66/IP67	<b>Plug/Outlet</b>
<b>Temperature</b>	-40°C to 85°C (-40 to 185°F) Service Environment Testing: IEC 61753-1 Ed. 1.0	<b>Plug/Outlet</b>
<b>Shell Material</b>	PBT - Polybutylene Terephthalate (Valox®), UL94V-0	<b>Plug/Outlet</b>
<b>Collar Nut Material</b>	PBT - Polybutylene Terephthalate (Valox®), UL94V-0	<b>Plug</b>
<b>Gasket Material</b>	Silicone	<b>Plug/Outlet</b>
<b>Ferrule Material</b>	Ceramic	<b>Plug</b>
<b>Adapter Sleeve Material</b>	Ceramic	<b>Outlet</b>
<b>Mechanical Durability</b>	500 mating cycles minimum	<b>Plug/Outlet</b>
<b>Chemical Resistance</b>	Materials selected to provide the widest range of protection from most solvents and common industrial chemicals. (Details available upon request)	<b>Plug/Outlet</b>
<b>Bulkhead Thickness</b>	0.762mm to 3.175mm (0.030 in. to 0.125 in.)	<b>Outlet</b>
<b>Strain Relief</b>	250 Newtons (56 lbf) typical	<b>Plug</b>
<b>Optical Performance</b>	TIA-568-C.3, ISO/IEC 11801 ED 2.2, Telcordia GR-326-CORE	<b>Plug/Outlet</b>

## IP Code

Index Figure	Degree of Protection	
0	No Protection	No protection against accidental contact, no protection against foreign bodies
1	Protection against large foreign bodies	Protection against contact with a large area by hand and against large solid bodies Ø> 50mm
2	Protection against medium sized foreign bodies	Protection against contact with fingers, protection against small foreign solid bodies with Ø> 12mm
3	Protection against small solid foreign bodies	Protection against tools, wires, or similar objects with 2.5 mm protection against small foreign bodies with Ø>2.5 mm
4	Protection against grainshaped foreign bodies	Protection against foreign bodies with Ø>1mm
5	Protection against deposits of dust	Full protection against contact. Protection against interior equipment damage due to dust deposits
6	Protection against ingress of dust	Total protection against contact and protection against penetration of dust.

Index Figure	Degree of Protection	
0	No Protection against water	No Protection
1	Protection against vertical water drips	Drip-Proof
2	Protection against water drips (up to a 15° angle)	Drip-Proof
3	Protection against water drips (up to a 60° angle)	Spray-Proof
4	Protection against splashed water from all directions	Spray-Proof
5	Protection against splashed water (out of a nozzle) from all directions	Hose-Proof
6	Protection against temporary flooding	Protected against flooding
7	Protected against temporary immersion	Protected against immersion
8	Protected against water pressure	Water-tight

Temperature Range  
Siemon vs TIA



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

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