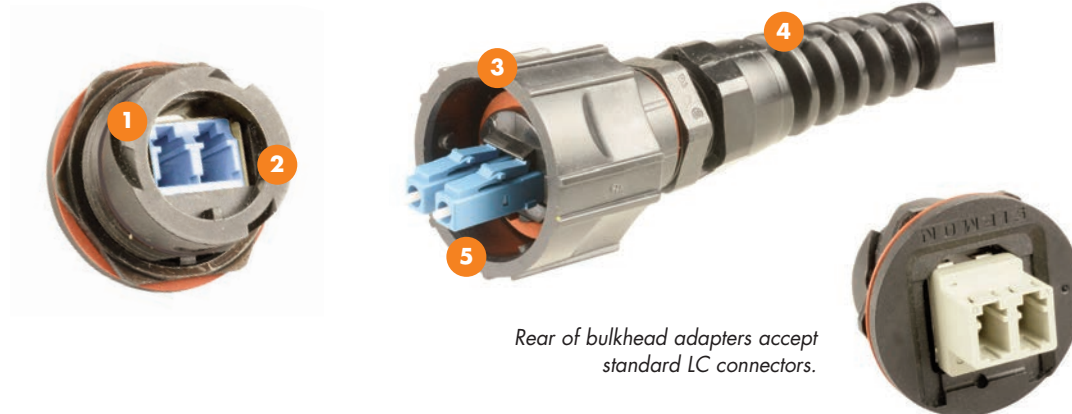


Ruggedized LC Fiber Connectivity

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.



- 1 Robust Design** — Protects fiber connections in virtually any harsh environment
- 2 High Performance** — Meets TIA-568-C.3 and, ISO/IEC 11801 Ed 2.2 specifications for multimode and singlemode components
- 3 Proper Seal** — Bayonet-style mating ensures proper fiber alignment and an IP66/IP67 rated seal
- 4 Specialized Bend Relief** — Compression fitting provides a superior rear seal and ensures fiber meet minimum bend radius requirements
- 5 Field-Termination** — Plug includes two industrial qualified multimode LC connectors that accept 2 strand, round, breakout style fiber optic cable

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.

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
XG2-XLC-LC-MM	Ruggedized G2 bulkhead adapter, LC, duplex, multimode, beige adapter
XG2-XLCQ-LCQMM	Ruggedized G2 bulkhead adapter, LC, duplex, multimode, aqua adapter
XG2-XLC-LC-SM	Ruggedized G2 bulkhead adapter, LC, duplex, singlemode, blue adapter
XG2-XLC-XLC-MM	Ruggedized G2 inline adapter, LC, duplex, multimode, beige adapter
XG2-XLCQ-XLCQMM	Ruggedized G2 inline adapter, LC, duplex, multimode, aqua adapter
XG2-XLC-XLC-SM	Ruggedized G2 inline adapter, LC, duplex, singlemode, blue adapter



XG2-XLC-LC-MM



XG2-XLCQ-LCQMM

RUGGEDIZED LC FIBER ADAPTERS

Part #	Description
XLC-MM	Ruggedized LC bulkhead fiber adapter, multimode, duplex, beige adapter
XLCQ-MM	Ruggedized LC bulkhead fiber adapter, multimode, duplex, aqua adapter
XLC-SM	Ruggedized LC bulkhead fiber adapter, singlemode, duplex, blue adapter



XLC-MM

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
XPLC2-MM	Ruggedized LC fiber plug, multimode, duplex. Includes two beige multimode LC connectors
XPLC2-SM	Ruggedized LC fiber plug, singlemode, duplex. Includes two blue singlemode LC connectors



XPLC2-MM



XPLC2-SM

Note: Ruggedized LC fiber plugs accepts 2 strand, round, breakout style fiber optic cable with O.D. ranges from 5mm – 8mm with two 2.4mm – 3.0mm jacketed subunits.

RUGGEDIZED LC FIBER KIT

Use the Ruggedized LC Kit with Siemon's LightSpeed Termination Kit for Industrial LC connector terminations. The kit contains a dual LC polishing puck, which decreases polish time by 50%.

Part #	Description
FTERM-XLC	Ruggedized LC fiber termination kit used in conjunction with FTERM-L2 includes dual polishing puck
FT-LC2PUCK	Dual LC polishing puck
FT-MSLC2HEAD	Dual LC microscope adapter



TECHNICAL INFORMATION

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

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.



XP-CAP2
Ruggedized plug dust cap
with metal retention tether



XG2P-CAP
Ruggedized G2 plug dust plug with
nylon retention tether



X-CAP
Ruggedized MAX outlet dust cap
with metal retention tether



XG2-CAP
Ruggedized G2 outlet dust cap
with nylon retention tether

RUGGEDIZED SURFACE MOUNT BOXES

The Siemon Ruggedized 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.

Technical Tip!
Contact Technical Support for punch tool to create Ruggedized knockouts for custom mounting.



X-IBOX-01
Ruggedized surface mount box,
1-port, supplied with 1 cable entry
compression fitting



X-IBOX-02
Ruggedized surface mount box,
2-port, supplied with 2 cable
entry compression fittings



X-IBOX-03
Ruggedized surface mount box,
3-port, supplied with 3 cable
entry compression fittings



X-IBOX-04
Ruggedized surface mount box,
4-port, supplied with 4 cable entry
compression fittings

Note: Compression fittings accommodate cable diameters from 4.1-7.9mm (0.16-0.31 in.)

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.



XFP-S-01-SS
Single gang faceplate,
1-port, stainless steel



XFP-S-02-SS
Single gang faceplate,
2-port, stainless steel



XFP-D-03-SS
Double gang faceplate,
3-port, stainless steel

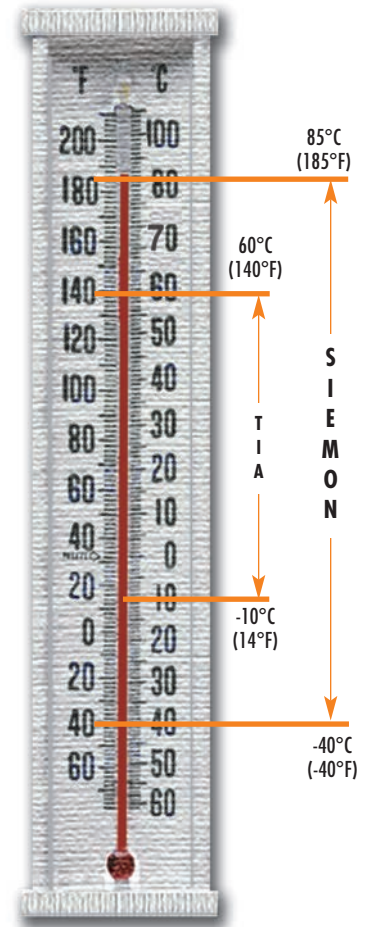


XFP-D-04-SS
Double gang faceplate,
4-port, stainless steel

Faceplates include mounting screws with sealed screw head.

INDEX FIGURE	IP CODE				INDEX FIGURE
	DEGREE OF PROTECTION		DEGREE OF PROTECTION		
0	No Protection	No protection against accidental contact, no protection against foreign bodies	No Protection against water	No Protection	0
1	Protection against large foreign bodies	Protection against contact with a large area by hand and against large solid bodies $\varnothing > 50\text{mm}$	Protection against vertical water drips	Drip-Proof	1
2	Protection against medium sized foreign bodies	Protection against contact with fingers, protection against small foreign solid bodies with $\varnothing > 12\text{mm}$	Protection against water drips (up to a 15° angle)	Drip-Proof	2
3	Protection against small solid foreign bodies	Protection against tools, wires, or similar objects with 2.5 mm protection against small foreign bodies with $\varnothing > 2.5\text{ mm}$	Protection against water drips (up to a 60° angle)	Spray-Proof	3
4	Protection against grain-shaped foreign bodies	Protection against foreign bodies with $\varnothing > 1\text{ mm}$	Protection against splashed water from all directions	Spray-Proof	4
5	Protection against deposits of dust	Full protection against contact. Protection against interior equipment damage due to dust deposits	Protection against splashed water (out of a nozzle) from all directions	Hose-Proof	5
6	Protection against ingress of dust	Total protection against contact and protection against penetration of dust.	Protection against temporary flooding	Protected against flooding	6
			Protected against temporary immersion	Protected against immersion	7
			Protected against water pressure	Water-tight	8

Temperature Range Siemon vs TIA



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