

SEL-C809

9 μm Single-Mode Fiber-Optic Cables



Custom-built cables for exceptional performance in critical applications.

- Customization options allow for precise cable lengths to fit any application.
- Industry-leading optical performance with minimal insertion loss ensures data integrity even in harsh conditions.
- Quality testing on every cable guarantees fault-free operation.



Features and Benefits

Choice

Order terminated LC, SC, and ST® cables built to your length specifications, or terminate them onsite using the fiber termination toolkit. Choose from these cable types to match your applications:

- Standard-duty zipcord (SEL-C809Z) for indoor risers and (SEL-C809P) for indoor plenum spaces (one or two fibers)
- Heavy-duty, waterproof (SEL-C809G) for indoor or outdoor applications (two fibers)

Quality

Get best-in-class optical performance with LC, SC, and ST high-precision ceramic ferrule connectors, which provides exceptional insertion loss of 0.2 dB.

Safety and Reliability

Connect SEL fiber-optic transceivers and compatible fiber-optic ports on relays and controllers for safer serial communication with high data integrity. Complete fiber-optic Ethernet systems by connecting the Ethernet ports of switches, routers, multiplexers, relays, and more for high-speed, safe, and reliable network communications.



Technical Specifications

Parameter	C809Z01 Zipcord (1 fiber)	C809Z02 Zipcord (2 fibers)	C809P01 Zipcord (1 fiber)	C809P02 Zipcord (2 fibers)	C809G02 Heavy-Duty Waterproof (2 fibers)
Operating Temperature	-20° to +85°C		0° to +85°C		-40° to +85°C
Fiber Material	Glass				
Wavelength	1310/1383/1550 nm				
Core/Cladding Diameters	9/125 µm				
Outside Cable Dimensions	2.9 mm (0.11 in) Diameter	2.8 x 5.6 mm (0.11 x 0.22 in)	2.9 (0.11 in) Diameter	2.8 x 5.6 mm (0.11 x 0.22 in)	6.8 mm (0.27 in) Diameter
Nominal Weight	6.4 kg/km (4.3 lb/1000 ft)	12.8 kg/km (8.5 lb/1000 ft)	7.4 kg/km (5 lb/1000 ft)	14 kg/km (10 lb/1000 ft)	39 kg/km (26 lb/1000 ft)
Maximum Tensile Loads (installation)	220 N (50 lb)				660 N (150 lb)
Maximum Tensile Loads (operation)	66 N (15 lb)				330 N (75 lb)
Maximum Connector Pull Tension (LC, SC, and ST)	50 N (11 lb)				
Minimum Bend Radius (installation)	5 cm (2 in)				10.2 cm (4.1 in)
Minimum Bend Radius (operation)	1.4 cm (0.55 in)				6.8 cm (2.7 in)
Maximum Attenuation @ 1310/1383/1550 nm	0.65/0.65/0.50 dB/km				
UL® Rating	Riser-Rated (OFNR)		Plenum-Rated (OFNP)		Riser-Rated (OFNR)

**To configure or purchase SEL-C809 cable assemblies,
please visit www.selcables.com.**

SEL-C809 Fiber Termination Accessories

Build your cables to length on site using the SEL-C809 Fiber Termination Tool Kit.

Terminate your SEL-C809 fiber-optic cables with best-in-class LC, SC, and ST ceramic ferrule connectors.

Connectors	
Type	Part Number
ST	240-1546
LC	240-1548
SC	240-1447

Splice Bushing	
Type	Part Number
ST	090-5012
LC	240-1810
SC	240-1811



SEL-C809 Fiber Termination Tool Kit
Part Number: 240-1540



ST Connector



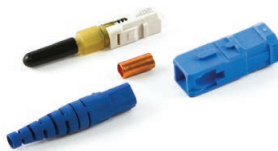
ST Splice Bushing



LC Connector



LC Splice Bushing (duplex)



SC Connector



SC Splice Bushing (duplex)



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