

SEL-C807

Multimode 62.5/200 μm Core Fiber-Optic Cables



Fiber-optic data links for isolation, improved safety, and interference immunity

- Extend EIA-232 connections up to 15 kilometers and add EIA-485 segments up to 4 kilometers with ST[®]-terminated cables.
- Implement multimode Ethernet connections with LC-terminated cables.
- Build ST-terminated cables onsite with the easy-to-use field termination tool kits.



Flexible Options

You can customize SEL-C807 cables for your needs. Ordering options include:

- Terminated LC and ST cables built to your length specifications.
- Standard-duty zipcord cables (SEL-C807Z) for indoor riser applications.
- Heavy-duty water-blocked cables (SEL-C807G) for outdoor applications.

Simple hand tools available in the 62.5 μm ST Fiber Termination Kits make it easy to add terminations to ST cables onsite.



Specifications

Parameter	C807Z01 Zipcord (1 fiber)	C807Z02 Zipcord (2 fibers)	C807G02 Waterblocked Heavy-Duty Jacketed (2 fibers)	C807G04 Waterblocked Heavy-Duty Jacketed (4 fibers)
Operating Temperature	-20° to +85°C (-40° to +185°F)	-20° to +85°C (-40° to +185°F)	-40° to +85°C (-40° to +185°F)	-40° to +85°C (-40° to +185°F)
Fiber Material	Hard Clad Silica (HCS)	HCS	HCS	HCS
Outer Cable Diameter	2.5 mm (0.098 in)	2.2 mm × 4.6 mm (0.087 in × 0.181 in)	8 mm (0.315 in)	8 mm (0.315 in)
Core Diameter	62.5 ± 3 μm	62.5 ± 3 μm	62.5 ± 3 μm	62.5 ± 3 μm
Cladding Diameter	200 ± 4 μm	200 ± 4 μm	200 ± 4 μm	200 ± 4 μm
Outer Jacket Material	PVC	PVC	PE	PE
Connector Types	ST	ST, LC	ST	ST
Weight/Unit Length	6.5 kg/km (4.4 lb/1,000 ft)	11 kg/km (7.4 lb/1,000 ft)	50 kg/km (33.6 lb/1,000 ft)	50 kg/km (33.6 lb/1,000 ft)
Maximum Long-Term Tension	245 N (55 lb)	45 N (10 lb)	689 N (155 lb)	1,179 N (265 lb)
Maximum Cable Pull Tension	489 N (110 lb)	111 N (25 lb)	1,375 N (309 lb)	2,358 N (530 lb)
Minimum Long-Term Bend Radius	25 mm (0.98 in)	25 mm (0.98 in)	80 mm (3.15 in)	80 mm (3.15 in)
Attenuation at 850 nm	<4 dB/km	<4 dB/km	<4 dB/km	<4 dB/km
Attenuation at 1,300 nm	<2 dB/km	<2 dB/km	<2 dB/km	<2 dB/km
UL Rating	Riser Rated (OFNR)	Riser Rated (OFNR)		

Accessories

ST Connector

Part Number: 090-5001



ST Splice Bushing

Part Number: 090-5012



Replacement Blades for Fiber Stripping Tool

Part Number: 915900252



SEL-C807 ST Fiber Termination Tool Kit

Part Number: 240-1499



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