

## MU CONNECTOR Series 510/511



MU Connector

The SENKO one-piece MU connectors are designed to greatly reduce termination time while increasing yield. The connector features a pre-assembled body and precision-molded plastic housing to meet the need for quick, accurate, and permanent field terminations in various environments. The MU free-floating ferrule is independent of the backbone so that a pull on the cable will not cause the ferrule to break contact with a second ferrule in a connection. The MU connector features a precision screw-machined body and UL-rated plastic housing and boot for consistent performance and durability. The SENKO MU connectors are available in either single or multimode and are fully intermateable with NTT-MU type products. Both the singlemode and multimode connectors use a zirconia ceramic ferrule that is tunable. The SENKO MU connector family is NTT and JIS compliant.

### FEATURES

- Push pull locking mechanism
- 1.25 mm zirconia precision ferrules
- Compact size
- Compact high density body
- Tunable
- Pull proof design
- NTT and JIS compliant

### APPLICATIONS

- Data center
- Telecommunications
- Local area network
- Cable television
- Network transmission and switching equipment

### KEY BENEFITS

- ✓ **Ease of use**
- ✓ **High durability**
- ✓ **Compact size**

Mechanical Data

	Value
Durability	500 matings
Fiber Count	Simplex (1 Fiber)
Cable Suitability	900 µm to 3 mm
Ferrule Material	Zirconia

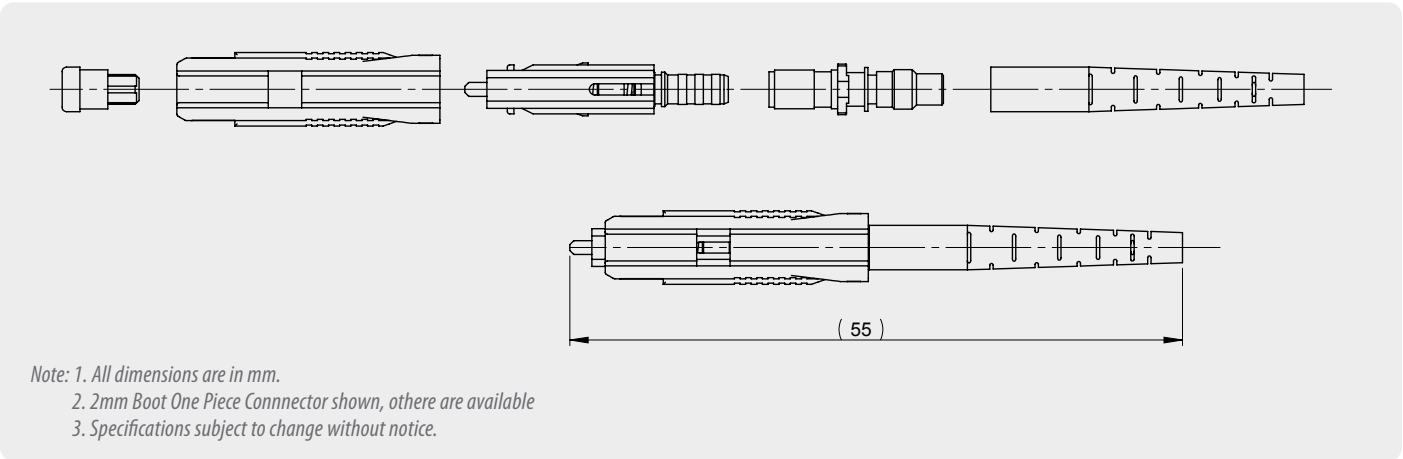
Optical Data

	Singlemode	Multimode
	UPC	MM
	Standard	
Typical Insertion Loss (dB)	0.1	0.15
Max Insertion Loss (dB)	0.2	0.3
Typical Return Loss (dB)	≥ 55	≥ 25
Ferrule Diameter (µm)	125 µm	127 µm

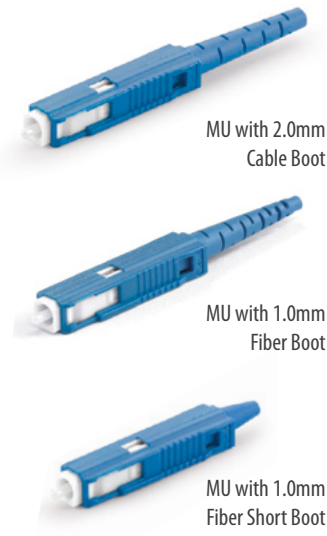
Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes

Connector Drawing



ORDERING

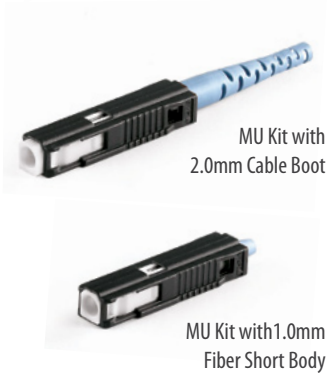


MU One Piece Connector

CONNECTOR	FERRULE TYPE	HOUSING	BOOT TYPE	BOOT COLOR
510 MU Connector	113 SM: 125µm	1 Blue	1 2.0mm Cable	1 Blue
	211 MM: 127µm	2 Black	2 1.0mm Fiber	2 Black
		3 Red	4 1.6mm Cable	3 Green
		4 Beige	5 1.0 Fiber Short	4 Red
		5 Brown		5 Gray
		6 Yellow		6 Yellow
		0 MU-J*		7 White
				8 Beige
				9 Lavender

Note: Other ferrule ID size are available  
SM 126 µm SM 125.5 µm

510 - 113 - 519 ORDER CODE example



MU Connector Kit

CODE	FERRULE TYPE	HOUSING	BOOT TYPE	BOOT COLOR
511 MU Kit	xxx	5 Brown	1 2.0mm Cable	9 Lavender
		0 MU-J*	3 1.0mm Fiber Short Body	

Note: 1. Custom configurations available upon request  
2. Ferrule to be ordered separately

511 - xxx - 519 ORDER CODE example

# SENKO<sup>®</sup>

Advanced Components

[sales@senko.com](mailto:sales@senko.com)  
1-858-623-3300

[senko.com/contact](https://senko.com/contact)