

# MU Connectors and Adapters

CORNING

## Features and Benefits

High Density Package

High Optical Performance

Push-pull Type Operation

Small Size and Light Weight

Tunable Zirconia Connector Ferrule

NTT-Compatible

Corning's 727 series MU connectors deliver superior performance and high repeatability in a small form factor. Our MU connectors feature impact resistant, nonflammable polymer, push-pull type operation, scalable high-density package, small size, and light weight. Connectors are available in either 2 mm or 900  $\mu$ m boot types. MU adapters feature the same quality and reliability found in the SC adapter, plus all the benefits of a small form factor interface. MU adapters are available with either zirconia or metal sleeves in simplex or vertical duplex configurations.

## Standards

<b>RoHS</b>	Free of hazardous substances according to RoHS2011/65/EU
<b>Design and Test Criteria</b>	Product is qualified to Telcordia GR-326-CORE



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## Specifications – MU Connector / 727 Series

Parameters	Multimode	Single-mode
Insertion Loss	0.2 dB Typical 0.3 dB Maximum	0.15 dB Typical 0.25 dB Maximum
Back Reflection	-25 dB Typical	-35 dB PC Polish -45 dB Super PC -55 dB Ultra PC
Connector Durability	500 Matings	
Connector Repeatability	$\Delta$ IL < 0.2 dB	$\Delta$ IL < 0.1 dB
Temperature Cycling	$\Delta$ IL < 0.2 dB	
Vibration	$\Delta$ IL < 0.2 dB	
Cable Retention	> 15 lb	
Operating Environment	-40°C to +85°C	

## Specifications – MU Adapter / 740 Series

Parameters	Phosphor/Bronze	Zirconia
Connector Durability	500 Matings	500 Matings
Connector Repeatability	$\Delta$ IL < 0.2 dB	$\Delta$ IL < 0.1 dB
Insertion Loss	< 0.3 dB	< 0.2 dB
Operating Temperature	-40°C to +85°C	-40°C to +85°C

## Ordering Information – MU Connector / 727 Series

### MU Connector / 727 Series

7 2 7 -       0 -   5 8 0 B

1
2
3
4

#### 1 Select Ferrule Type

- 1: SM 125  $\mu$ m
- 2: SM 126  $\mu$ m
- 3: MM 127  $\mu$ m

#### 2 Select Body Type

- 1: Simplex NTT-Type

#### 3 Select Boot Type

- 1: 900  $\mu$ m Boot
- 2: 2 mm Ribbed Boot
- Other: Custom

#### 4 Select Housing Color

- 7: MM: Beige
- 9: SM: Brown

#### Color Chart

- 0: Translucent (Cap Only)
- 1: Black
- 2: Yellow
- 3: Green
- 4: Red
- 5: Blue
- 6: Orange
- 7: Beige
- 8: White

### Notes:

All parts are sold in units of 100

Refer to color chart for additional non-standard boot and housing colors

Non-standard color lead time may be longer.

**These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or [oesales@corning.com](mailto:oesales@corning.com) and visit [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) for sales support.**

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## Ordering Information – MU Adapter / 740 Series

740-0019-007-B	MU-A Simplex, Metal Sleeve Adapter
740-0029-007-B	MU-A Simplex, Zirconia Sleeve Adapter
740-0039-007-B	MU-2A Vertical Duplex, Metal Sleeve Adapter
740-0049-007-B	MU-2A Vertical Duplex, Zirconia Sleeve Adapter

### Notes:

All parts are sold in units of 100

Refer to color chart for additional non-standard boot and housing colors

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