

MU Connectors

- ***Features/Benefits***
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CORNING

Cable Systems

MU Connectors

Features/Benefits

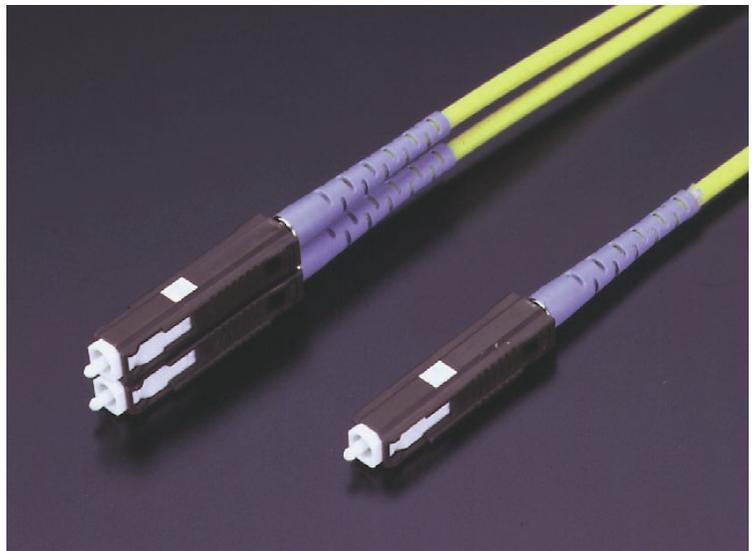
- **High packaging density**
- **Compression force absorbed by connector**
- **Easy installation, operation, and cleaning**
- **Excellent optical performance**

Description

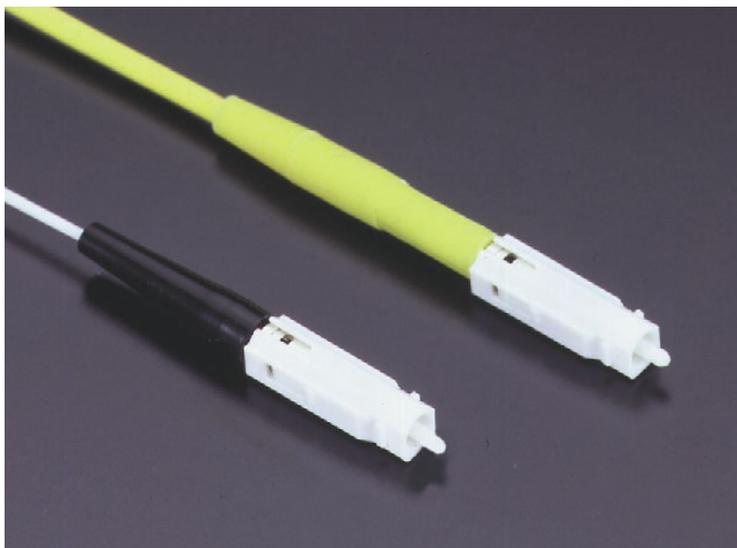
Corning Cable Systems is now offering an MU Connector, which is based on the SC Connector design. It is a compact and self-retentive, optical backpanel connector that can be installed in advanced optical transmission, exchange, and subscriber systems, or in high-speed data applications.

There are two different versions of the MU connector available. The MU-A series is used in high-density, low-profile interconnect applications. The MU-J series is designed for use in backpanel connector applications, and employs a self-retentive mechanism to absorb the compression force off of the backpanel. This enables greater packaging density without risk of deforming the backpanel from the compression force exerted by the connectors.

The MU connector is designed with four times the packaging density of conventional backpanel connectors, allowing 16 plugs to be mounted in a width of 100 mm on a printed circuit board.



MU-A Series



MU-J Series

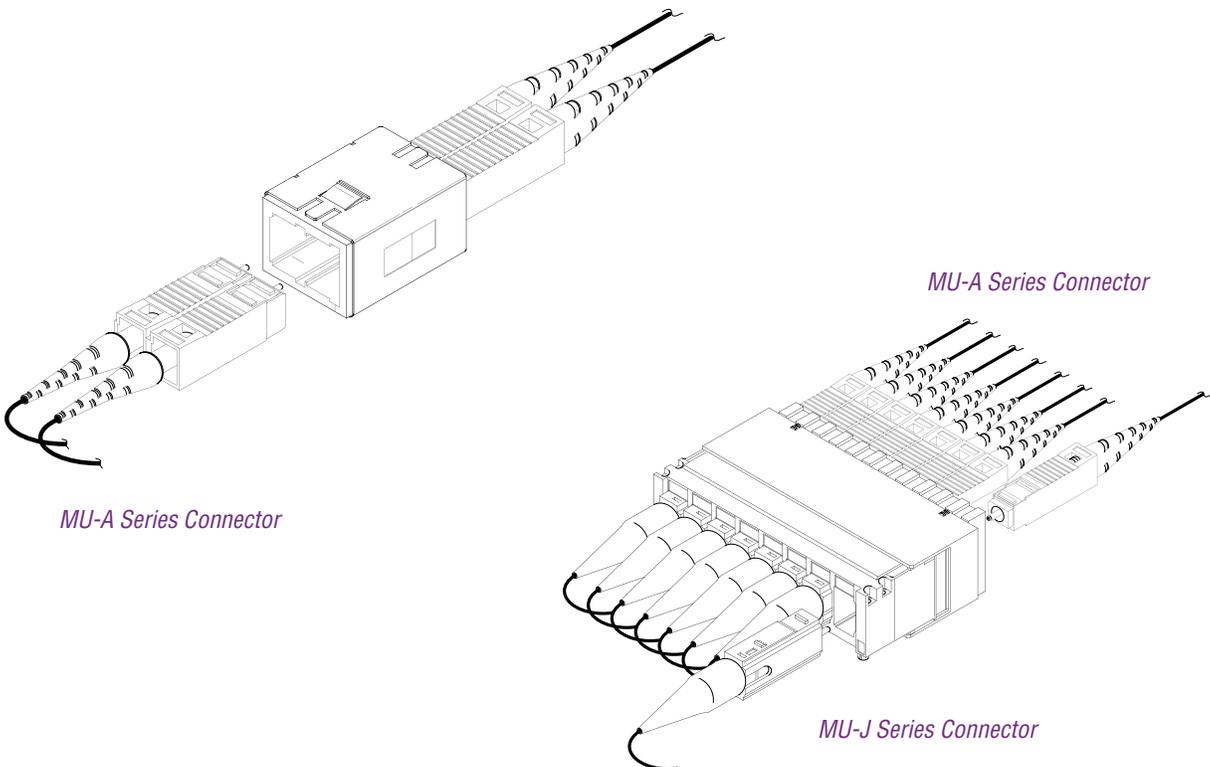
MU Connectors

Specifications

Items	Condition	Typical Value
Optical Characteristics		
Insertion Loss @ 1300 nm	0.07 dB	
Reflectance @ 1300 nm (Polish-Dependent)		-50.3 dB

Mechanical Tests: Loss Change < 0.2 dB; Reflectance < -40 dB		
Mating	500 times (plug), 60 times (printed board)	
Vibration	10 -55Hz, amplitude 1.5 mm, 2 hrs, 3 directions	
Shock	100 m/s ² , 6ms duration, 10 shocks, 3 directions	

Environmental Tests: Loss Change < 0.2 dB; Reflectance < -40 dB		
Temperature Cycling	-25 to +70°C, 4 hours/cycle, 100 cycles	
Thermal Aging	85°C, 960 hours	
Low Temperature Duration	-25°C, 960 hours	
Temperature/Humidity Cycling	-10 to +25°C to +65°C 3% RH, 1 day/cycle, 20 cycles	



Ordering Information

Simplex Connectors and Adapters

Part Number	Description	Part Number	Description
95-205-MU	Simplex SM Connector - 2 mm	95-206-MUJ	Simplex SM Connector - 2 mm
95-205-MU-BP2L	Bulk-packaged; 2 mm; lavender	95-206-MUJ-BP2L	Bulk-packaged; 2 mm; lavender
95-205-MU-BP2N	Bulk-packaged; 2 mm; blue	95-205-MUJ-BP2N	Bulk-packaged; 2 mm; blue
95-105-MU	Simplex MM Connector - 2 mm	95-106-MUJ	Simplex MM Connector - 2 mm
95-105-MU-BP2L	Bulk-packaged; 2 mm; lavender	95-106-MUJ-BP2L	Bulk-packaged; 2 mm; lavender
95-105-MU-BP2N	Bulk-packaged; 2 mm; blue	95-106-MUJ-BP2N	Bulk-packaged; 2 mm; blue
TER-705	Simplex Patch-panel Adapter	95-207-MUJ	Simplex SM Connector - 0.9 mm
TER-706	Simplex Board-mount Adapter	95-207-MUJ-BP9L	Bulk-packaged; 0.9 mm; lavender
		95-207-MUJ-BP9N	Bulk-packaged; 0.9 mm; blue
		95-107-MUJ	Simplex MM Connector - 0.9 mm
		95-107-MUJ-BP9L	Bulk-packaged; 0.9 mm; lavender
		95-107-MUJ-BP9N	Bulk-packaged; 0.9 mm; blue

Duplex Connectors and Adapters

Part Number	Description	Part Number	Description
95-255-MU	Duplex SM Connector		
95-255-MU-BP2L	Bulk-packaged; 2 mm; lavender		
95-255-MU-BP2N	Bulk-packaged; 2 mm; blue		
95-155-MU	Duplex MM Connector		
95-155-MU-BP2L	Bulk-packaged; 2 mm; lavender		
95-155-MU-BP2N	Bulk-packaged; 2 mm; blue		
TER-755	Duplex Patch-panel Adapter	TER-720	Duplex PC Board Housing
TER-756	Duplex Board-mount Adapter	TER-722	Duplex Backpanel Housing - 2.4 mm
		TER-723	Duplex Backpanel Housing - 3.2 mm

8-Port Adapters (Accepts up to eight Simplex or four Duplex MU Connectors)

Part Number	Description	Part Number	Description
TER-785	8-Port Patch-panel Adapter	TER-780	8-Port PC Board Housing
TER-786	8-Port Board-mount Adapter	TER-782	8-Port Backpanel Housing - 2.4 mm
		TER-783	8-Port Backpanel Housing - 3.2 mm

Tools and Accessories

Part Number	Description	Part Number	Description
2104273-01	MU-A Connector Removal Tool (For patch-panel use)	TER-MU	Replacement Alignment Inserts
2104274-01	MU-A Connector Removal Tool (For backpanel use)**	2104275-01	MU-J Connector Removal Tool
		2104276-01	Sleeve Holder Remover
		2104277-01	Duplex PC Board Housing Cleaning Tool
		2104278-01	8-Port PC Board Housing Cleaning Tool

**The MU-J series adapters require MU-J connectors on the circuit board housing side and MU-A connectors on the backpanel housing side.

SM = Single-mode MM = Multimode

