

## MU patchcord

### Description:

The MU high density fiber optic interconnection system offers a new solution for high performance telecommunications networking. The MU connector is at least half the size of the standard SC connector. It can offer twice the port density, but all the optical performance of traditional fiber optic connectors. The MU system includes a complete range of multimode and singlemode.



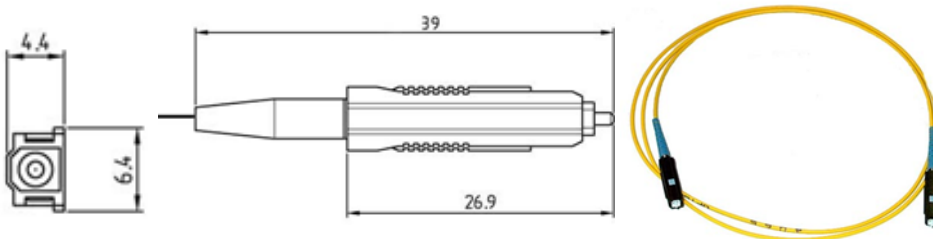
### Features:

- Standard IEC 61754-6 Amendment 2
- Full-ceramic 1.25 mm ferrule
- Excellent handling at high packing densities
- Special ferrule preform for short polishing time
- Adjustable

### Specifications:

Insertion loss (IL)	MM	SM Ultra PC	SM Angle PC	SM APC Premium
(IEC 61300-3-4)	0.15 dB typ	0.15/0.25 dB typ/max	0.15/0.50 dB typ/max	0.1 dB max
Return loss (RL)	>30 dB	>50 dB	>60 dB	>85 dB1
(IEC 61300-3-6)				
Operating temperature	-40 °C to +85 °C2			
Durability	min. 1 000 cycles			
Assembly procedure	glue and polish			
Connection	physical contact			
Lock mechanism	snap-on			
Ferrule material	full ceramic zirconia			
Connector material	UL 94-V0			
Adapter material	UL 94-V0, slotted ceramic sleeve			

### Dimensions:



### Connector length:

fiber 0.9 mm boot: 39.0 mm

cable 1.7 mm boot: 50.0 mm

Connector color: blue, brown

### Application:

- Telecom
- Optical transmission and switching systems
- Backboard, printed circuit board adapters
- CATV
- Measuring Technique

### Ordering Code:

AAA - XX XXX - XX - (XX)<sup>1</sup> - XXX

AAA Connector Type	Connector Description	XX-color	XXX-length [m]
<b>MU</b>	MU/PC		
<b>UMU</b>	MU/UPC		
<b>UMU1</b>	MU/UPC Premium class 1		
<b>NMU</b>	MU/APC		
<b>NMU1</b>	MU/APC Premium class 1		
<b>NMU2</b>	MU/APC Premium class 2		

XX - diameter of cable, fiber	XXX - type of fiber
<b>09</b>	fiber Ø 0.9 mm
<b>17</b>	cable Ø 1.7 mm
<b>20</b>	cable Ø 2.0 mm
	<b>OM1</b> MM 62.5/125 µm
	<b>OM2</b> MM 50/125 µm
	<b>OM3</b> MM 50/125 µm
	<b>S2D</b> SM 9/125 µm (G.652D)
	<b>S5X<sup>2</sup></b> SM 9/125 µm (G.655X)
	<b>S7X<sup>2</sup></b> SM 9/125 µm (G.657X)

X - type (pigtail or jumper)
<b>J</b> jumper
<b>P1</b> pigtail tight buffered, strip in one shot < 10 cm
<b>PD</b> pigtail easy strip > 100 cm

Insertion Loss:

Premium Class (MM) ≤ 0.30 dB

Premium Class 1 ≤ 0.10 dB

Premium Class 2 ≤ 0.25 dB

### Note:

- 1) not filled when color is not defined, standard colors will be used - SM-yellow, OM1-blue, OM2-green, OM3-turquoise
- 2) X - according to fiber subtypes (e.g. G.657A1)

### Color Code:

BK	BN	RD	OG	YE	GN	BU	VT	GY	WH	PK	TQ
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Turquoise