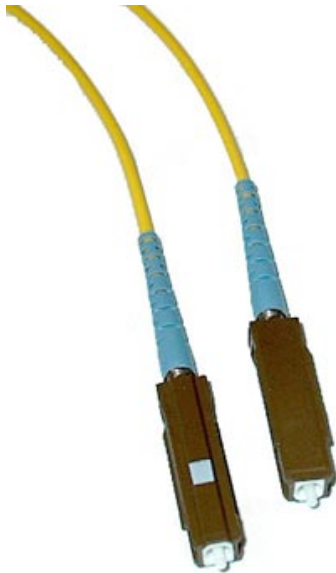


# MU patchcord

## 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 ferrule
- Excellent handling at high packing densities
- Special ferrule preform for short polishing time
- Adjustable

## Specifications:

Insertion loss (IL) (IEC 61300-3-4)	MM	SM Super PC	SM Ultra PC	SM Angle PC	SM Angle PC Premium
	0.15 dB typ	0.15 dB typ	0.15 dB typ	0.15 dB typ	0.1 dB max
Return loss (RL) (IEC 61300-3-6)	>30 dB	>45 dB	>50 dB	>60 dB*	
Operating temperature	-40°C to +85°C**				
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-VO				
Adapter material	UL 94-VO, slotted ceramic sleeve				

Note: \*) RL >80 dB measured with high precision reflectometer

\*\*\*) Conditioned by the type of cable

## 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
MU	MU/PC (MM)
SMU	MU/SPC
UMU	MU/UPC
UMU1	MU/UPC Premium class 1
NMU	MU/APC
NMU1	MU/APC Premium class 1
NMU2	MU/APC Premium class 2

XX-color

XXX- length [m]

#### X - type (pigtail or jumper)

J jumper  
 PT pigtail tight buffered, strip in one shot 0.5 - 2 cm  
 PS pigtail semitight, strip in one shot 5 – 10 cm  
 PJ pigtail loose tube - jelly filled  
 PD pigtail loose tube - dry

#### 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
- 2) X – according to fiber subtype (e.g. G.655C)

#### XX - diameter of cable, fiber

09 fiber Ø 0.9 mm  
 17 cable Ø 1.7 mm  
 20 cable Ø 2.0 mm

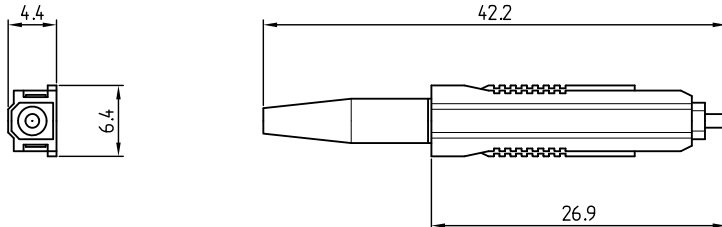
#### XXX - type of fiber

OM1 MM 62.5/125 µm  
 OM2 MM 50/125 µm  
 OM3 MM 50/125 µm  
 S2D SM 9/125 µm (G.652D)  
 S5X<sup>2</sup> SM 9/125 µm (G.655X)  
 S7X<sup>2</sup> SM 9/125 µm (G.657X)

#### Cable/Fiber 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

#### Dimensions:



#### Connector length:

fiber 0.9 mm booth: 42.2 mm  
 cable 1.7 mm booth: 50.0 mm

#### Connector color:

blue, brown

#### Sample:

SMU-17 S2D-J-001

