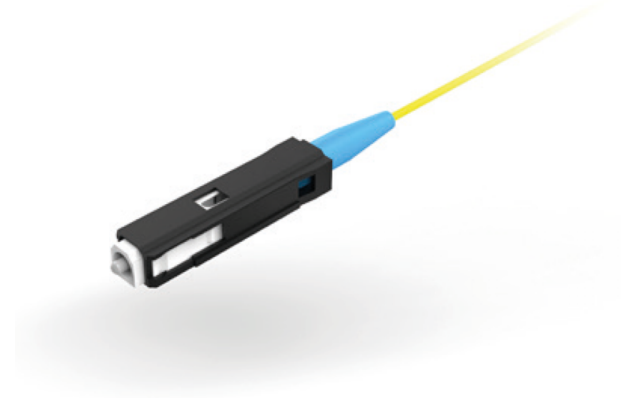


The Small Form Factor MU connector is a mini version of the SC connector, with a 1.25mm diameter Zirconia ferrule. It was developed by NTT for high fiber count networks in populous cities in Japan.

The Novobit MU connector has a simple push-on connect/disconnect and is suitable for high density optical interconnect. According to standards IEC 61754-6 / TIA 604-17 and performance standards IEC-61753, IEC 61754-6, IEC 61755-5-1.

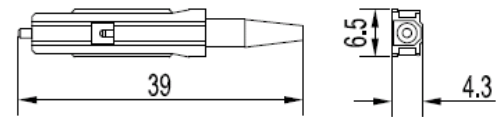
It can be assembled with cables from $\varnothing 0.6\text{mm}$ up to $\varnothing 3.0\text{mm}$. The Novobit MU connector-kit meet category E for extreme environment and may be used between -40 and $+85^\circ\text{C}$.



Assembly Specifications		Single-mode		Multi-mode
Performance Class		Grade B	Grade C	Grade M
IL max. against reference [dB]		0.15	0.35	0.35
IL typical against reference [dB]		0.06	0.12	0.20
Return Loss [dB]	PC	≥ 45	≥ 45	≥ 27
	UPC	≥ 55	≥ 55	≥ 30
	APC	≥ 65	≥ 65	-
Fiber Height [nm]	PC	-50 to +50	-50 to +100	-50 to +100
	APC	-50 to +50	-100 to +100	-
Apex Offset [μm]		≤ 50	≤ 50	≤ 50
Radius [mm]	PC	5 to 25	5 to 25	5 to 25
	APC	5 to 12	5 to 12	-
Angle (°) of APC		8 ± 0.3	8 ± 0.4	-
Tensile Strength [N]		> 100	> 100	> 100

MU Connectors & Adapters

Connector Specification	
Housing	Plastic; blue, green, beige customized colors on request
Ferrule Diameter	Zirconia D: 1.25mm d: 125.3-126.3µm
Concentricity	≤1.0µm (SM); ≤4.0µm (MM)
Tuning	90 degree steps
Cable Diameter	0.6 - 3mm
Flammability	UL 94 V-0
Temperature	-40 °C to +85 °C
Humidity	95 %
Durability	≥1000 Matings
Tensile Strength	70N
RoHS/REACH	Compliant



Pigtail



Patchcord

Adapter Specifications:	
Attenuation	< 0,2 dB
Repeatability 1000 cycles	< 0.2 dB
Service life	> 1000
Temperature	-40 °C to +85 °C
Flammability	UL 94 V-0
Humidity	95 %
Sleeve material	Zirconia
RoHS/REACH	Compliant

