



MU connectors are part of the optical small form factor (SFF) connector family with a ferrule diameter of 1.25mm. Due to their compact design and good mechanical properties they achieve excellent optical measurement values.

#### Material

Connector	plastic
Adapter	plastic/metal with split and floating zirconia alignment sleeve
Ferrule	zirconia with metall insert
Dust cap	plastic

#### Standards

- MU-PC: IEC 61754-6
- MU-APC: IEC 61754-6

#### Design

##### Connectors:

- MU-Simplex and MU-Duplex

##### Adapters:

- MU-Simplex and MU-Duplex
- Standard delivery: quick-mounting
- Optional delivery: screw mounting

##### Colour coding:

- MU-PC: blue
- MU-APC: green
- MU-MM: beige

#### Applications

- Telecommunication, CATV, LAN, MAN, WAN, measuring systems
- Industry, medical engineering, sensor technology

Specifications of connectors

Standard	Singlemode PC	Singlemode APC	Multimode	Unit	Test conditions
Insertion Loss (IL)	typ: 0,12 <sup>1</sup> max: 0,25 <sup>1</sup>	typ: 0,12 <sup>1</sup> max: 0,25 <sup>1</sup>	typ: 0,25 <sup>2</sup> max: 0,40 <sup>2</sup>	dB	IEC 61300-3-34
Return Loss (RL)	typ: 50 <sup>3</sup> min: 45 <sup>3</sup>	typ: 70 <sup>4</sup> min: 65 <sup>4</sup>	typ: 40 min: 35	dB	IEC 61300-3-6
Repeatability of IL	max: ±0,1	max: ±0,1	max: ±0,1	dB	
Durability	>1000 matings				
Operating temperature range	-40 to +85			°C	depends from used type of cable

■ <sup>1</sup> IEC 61755-1 Grade B   ■ <sup>2</sup> IEC 61753-122-2 Grade A   ■ <sup>3</sup> IEC 61755-1 Grade 2   ■ <sup>4</sup> IEC 61755-1 Grade 1

Active specifications

Type of fibre, geometry of cable, material of cable: please inform in the Technical Information **FOC list of cable**.

MU-Simplex		MU-Duplex							
<table border="1"> <thead> <tr> <th>Type of pictail</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>Fibre</td> <td>max. 35</td> </tr> <tr> <td>Cable</td> <td>max. 50</td> </tr> </tbody> </table>	Type of pictail	Length	Fibre	max. 35	Cable	max. 50			
Type of pictail	Length								
Fibre	max. 35								
Cable	max. 50								
MU-Simplex Adapter		MU-Duplex Adapter							
Assembly dimensions MU-Simplex Adapter		Assembly dimensions MU-Duplex Adapter							
All dimension units are mm.									