

MU Connector

The MU connector uses a high performance 1.25 mm ferrule which gives the connector extremely high performance characteristics. The Brotechs MU optical fibre connector comprises of a polymer body and a ceramic ferrule/spring/crimp barrel assembly plus a crimp over sleeve and rubber boot. These connectors are suitable for 900µm and 2 mm cables. The connector is precision made and manufactured to demanding specifications. The combination of a ceramic ferrule and a precision polymer housing provides consistent long-term mechanical and optical performance.

Features

- Available in 2mm patch and 900 µm
- Termination Procedures : Prep cable end, Epoxy-Crimp-Polish
- Connector versions available for: 2mm Cable, 900 mm Buffered Fibre
- Standard packaging: 100pcs Bulk packed, Special packaging available by request

Technical Specification

Optical Performance

Singlemode

Insertion loss: Max. 0.3 dB Typical 0.2 dB
Return loss: UPC > 50dB Typical 55 dB
 APC > 60dB Typical 65 dB

Multimode

Insertion loss: Max. 0.3 dB Typical 0.12 dB
(IEC 874-1 method)

Mechanical

Capillary diameter tolerance: 126 +1/-0µm
Ferrule Diameter: 2.5mm ± .001
Pre-radiused, PC-end finish for Physical
Contact ferrule to ferrule. R 10 to 25mm

Damp Heat

(IEC 61300-2-19)
60°C at 95% RH ,96 hours=0.2dB Change

Temperature Cycling

(IEC 61300-2-48)
-40°C to +85°C , 42 cycles=0.2dB Change

Operating Temperature

-40°C to +85°C



Ordering Information

Connector Type	Ferrule Type	Count	Boot OD	Housing Type or Color	Boot Color
1010					
9 : MU	S : SM	S : Simplex	09 : 0.9mm 20 : 2.0mm	N: Brown	L : Blue

