

MU Optical Fibre Connector

V.3.1

Description

FibreFab MU connectors are the new generation small form factor connectors developed by NTT, Japan. MU connectors are similar to the SC connectors in construction and mechanical function, but have a ferrule diameter of 1.25mm.

FibreFab offers a range of MU connectors suitable for various applications. Our connectors are subjected to intense mechanical testing and can withstand harsh environments and therefore we are proud to say that our products are of high quality.

The FibreFab MU connectors are available in singlemode PC only.

Features/Benefits

- ▶ Complies with IEC 61754-6
- ▶ Fewer parts for easy assembly and corrosion resistant thermoplastic body.
- ▶ A push-pull coupling mechanism for easy insertion and high repeatability.
- ▶ Two connections in one SC shape adaptor
- ▶ Zirconia ceramic ferrule with high end PC finish.
- ▶ Low insertion loss and back reflection.
- ▶ ROHS, REACH SvHC
- ▶ Available in standard colours and standard packaging.

Applications

- ▶ Data centres, Premise installations, telecommunication networks.
- ▶ Ethernet, Fibre Channel, ATM, LAN, MAN and WAN
- ▶ Suited for high density application
- ▶ Distribution cable assemblies
- ▶ Board mounted application.
- ▶ Data processing networks.



Technical Specification

OPTICAL PERFORMANCE	SINGLEMODE	MULTIMODE	CONFORMANCE
Insertion loss (Typ)	0.15 dB	0.15 dB	IEC 61300-3-4
Insertion loss (97%)	0.30 dB	0.25 dB	IEC 61300-3-4
Ave/Master	0.12 dB	0.08 dB	IEC 61300-3-4
Ave/Random	0.12 dB	0.10 dB	IEC 61300-3-34
Return Loss	55/65 dB	-	IEC 61300-3-6

MECHANICAL PROPERTIES	CRITERIA	EFFECT	CONFORMANCE
Mechanical endurance	500 matings	<0.2 dB change	IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12
Cable retention	Magnitude 90 N	<0.2 dB change	IEC 61300-2-4
Cable torsion	1.5kg-2.5 kg for 2mm-3mm cable diameter	<0.2 dB change	IEC 61300-2-5
Operating temperature	-25 to +70, 12 cycles	<0.2 dB change	IEC 61300-2-22
Cold	-25 for 96 hrs	<0.2 dB change	IEC 61300-2-17
Dry Heat	+70 for 96 hrs	<0.2 dB change	IEC 61300-2-18

Ordering Information

DESCRIPTION	PART NO.
MU Optical Fibre Connector	Please contact our sales team



+44 (0) 870 127 3330



+44 (0) 870 127 3331



sales@fibrefab.com



www.fibrefab.com