



flawless fusion with infinite possibilities

**SIFAM**  
FIBRE OPTICS

SIFAM's Connectors and Patchcords are manufactured and tested to the most rigorous industry standards. Optical and mechanical performance meets IEC, CENELEC and Telcordia specifications.

**Key Features:**

- Zirconia ceramic ferrule
- NTT-FC compatible
- SC to DIN 47256
- Small form factor
- Foolproof design

**Applications:**

- Telecommunication
- CATV, LAN and WAN
- Fibre test
- Industrial / Aerospace
- Biomedical / Sensors

## Connectors and Patchcords



**FC/UPC, FC/APC**



**SC/UPC, SC/APC**



**DIN/UPC, DIN/APC**



**MU/UPC, MU/APC**



**LC/UPC, LC/APC**

**Connectors**

Grade	High Quality	Excellent	Referential	Unit
Insertion Loss	≤0.2 (typ 0.15)	≤0.1 (typ 0.007)	≤0.1	dB
Return Loss (UPC)	≥ 50 (typical 55)			dB
Return Loss (APC)	≥ 60 (typical 68)			dB
Repeatability (500 matings)	±0.1			dB
Connector type <sup>2</sup>	<b>FC, SC, DIN, LC, MU</b>			
Apex offset	≤50		≤30	µm
Radius of curvature (UPC)	7 ≤ radius ≤ 25		10 ≤ radius <sup>1</sup> ≤20	mm
Radius of curvature (APC)	5 ≤ radius ≤ 12		5 ≤ radius ≤12	mm
Fibre height, FH	-125.0 ≤ FH ≤ +150.0		-50.0 ≤ FH ≤ +50.0	nm
Operating temperature	-40 to 70			°C
Storage temperature	-40 to 80			°C

1. 1.25mm ferrules = 7 ≤ RC ≤ 20mm
2. Other variants available on request

**Patchcords<sup>2</sup>**

Type	PC	APC	Unit
Insertion Loss	≤ 0.1		dB
Return Loss	≥ 50 (typical 55)	≥ 60 (typical 68)	dB
Connector type	<b>FC, SC, DIN, LC, MU</b>		
Apex offset	≤ 30		µm
Radius of curvature	10 ≤ radius <sup>3</sup> ≤20	5 ≤ radius ≤ 12	mm
Fibre height, FH	-50.0 ≤ FH ≤ +50.0		nm
Operational temperature	-40 to 70		°C
Storage temperature	-40 to 80		°C

2. Guaranteed eccentricity parameters (e < 0.3µm)
3. 1.25mm ferrules = 7 ≤ RC ≤ 20mm

SIFAM Fibre Optics Ltd  
Broomhill Way, Torquay  
Devon TQ2 7QL  
England



Certificate No. 0962231

Tel: +44(0) 1803 407784  
Fax: +44(0) 1803 407786  
sales@sifamfo.com  
www.sifamfo.com

As part of our policy of continuous product improvement we reserve the right to change specifications at any time

PEC0126 Rev 1