

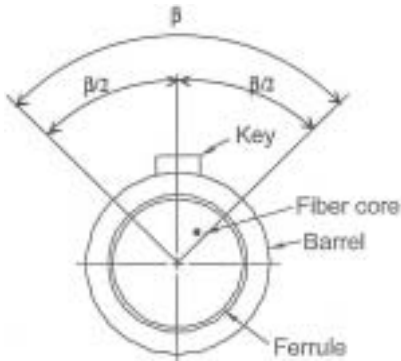
# HUXTuncord™

## Optical Tuned Patchcords

**HUXTuncord™** is tuned and manufactured according to TIA/EIA Standard for Intermateability Performance. TheFibers' Optical Tuned Patchcords are suitable for High Performance Transmission System.

In order for the performance of the connectorized passive devices to be consistent between the manufacturers testing facility and the customers testing facility the variability of the connector loss **MUST** be minimized. Even with a core offset of 0.5 um if the connectors are not tuned using Tuning Masters the resulting variability in the loss when mated to other connectors can be significant compared to the intrinsic loss in the passive component.

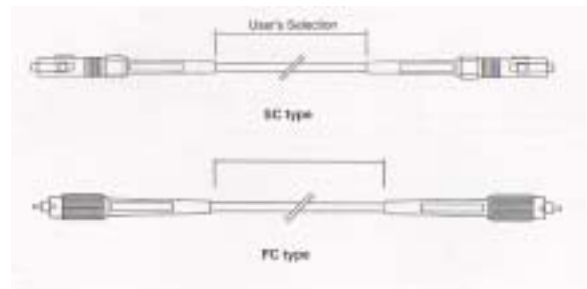
**HUXTuncord™**'s core eccentricities are to be tuned shall be oriented towards the connector key as illustrated by TIA/EIA Standard. There are two kinds of Tuned angular of  $\pm 45\text{deg}$  and  $\pm 30\text{deg}$  of the Key.



### Special Features

- High Performance Transmission
- Tuned Angular  $\pm 45\text{deg}$  ( $\pm 30\text{deg}$  option)
- Various Connector Type Available
- 100% Geometrical Inspection by DORC
- 100% Vidual Test by 800X
- Complied with Telcordia GR-910-CORE
- Quality System by TL9000 & ISO9001 both
- Fast Delivery within 1 week always

### Dimensions



### Applications

- Fiber Optic Telecommunications
- High Speed Transmission Systems
- CATV Systems
- Optical Network Equipments
- Optical Measurement Equipments

# HUXTuncord™

## Optical Tuned Patchcords

### Specifications

Model	HUXTuncord™	
Type	SC/UPC, SC/APC, FC/UPC, FC/APC, ST/UPC, LC/UPC, Pigtails	
Tuned Angular <sup>1</sup>	±45deg/SU,SA,FU,FA	±30deg/TU,LU
Insertion Loss (Max) <sup>2</sup>	< 0.3dB	
Return Loss (Min) <sup>3</sup>	>55dB/UPC, >60dB/APC	
Polarization Dependent Loss	0.1 dB	
Geometrical Specification		
Radius of Curvature	10 25 mm (PC),	5 15 mm (APC)
Fiber Height (spherical Fit)	± 50 nm	
Apex Offset	0	50 um
Maximum Power Handling <sup>4</sup>	250mW	
Operating Temperature	-40 to 75	
Storage Temperature Range	-40 to 85	
Humidity	95 % RH (Non-packaging)	

<sup>1</sup> The Tuning Angular of ± 30 deg for OTFA-SU, OTFA-SA, OTFA-FU, OTFA-FA, OTFA-TU and OTFA-LU is Order Made.

<sup>2</sup> The Tuned Patchcords shall be tested by two patchcords (LD-Patchcord1-OTP-Patchcord2-PD) only.

<sup>3</sup> The Multimode type is >50dB.

<sup>4</sup> Power Handling is 250mW.

### Ordering Informations

#### P/N: OTP-SU/SU-S-S (24-01)

OTP: Optical Tuned Patchcords

SU/SU:SC/UPC (one side), SC/UPC(the other side)

S: Singlemode 9/125um (M:Multimode 50/125um, G:Multimode 62.5/125um)

S: Simplex (D:Duplex)

24: 2.4mm Cable (09:0.9mm, 20:2.0mm, 30:3.0mm Cable)

01: Length 1m

† If you have any questions for the above specification, please contact to [sales@thefibers.com](mailto:sales@thefibers.com) or +82-11-722-9285.