SHANGHAI TANGPIN TECHNOLOGY

Fiber Optic Mating Sleeves



LC Adapter



SC Adapter



MTP/MPO Adapter



FC Adapter



ST Adapter

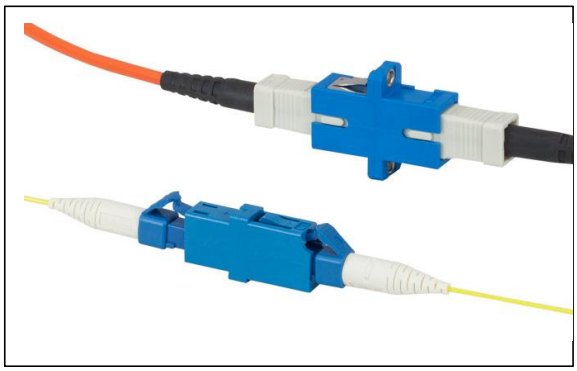


Bare Fiber Adapter

Overview

LC/PC and SC/PC Mating Sleeves





- Options for SC/PC-Terminated or LC/PC-Terminated Fibers

Tang Pin's ADASC1 Mating Sleeve connects two SC/PC-terminated fiber optic cables,while our ADALC1 Mating Sleeve connects two LC/PC-terminated fiber optic cables.Both sleeves incorporate two tabs that snap into place when inserted into a panel.

Spec Drawing ADASC1

Spec Drawing ADALC1

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Ferrule Mating Sleeves







The ADAF1 universal mating sleeve can be used for quick interconnection of Φ2.5mm ferrule patch cable.

- Mate Any Fiber with Ø1.25 mm or Ø2.5 mm Ferrules
- Sold Individually or in Packs of 5

Tang Pin Ferrule Mating Sleeves are designed for use with any terminated fiber with a Ø2.5 mm ferrule,such as FC/PC or SC/PC connectors,or with a Ø1.25 mm ferrule,such as LC/PC or MT/PC connectors.These split sleeves can be used to create a temporary,quick-release connection between two cables,as shown in the photo to the right.

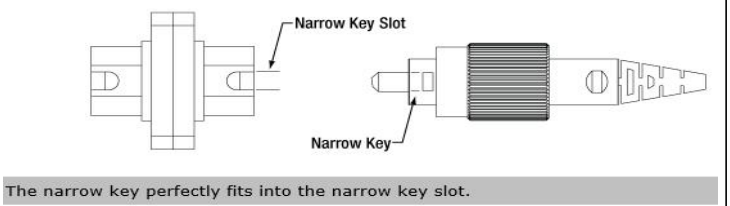
Ceramic mating sleeves are available individually or in packages of five.Phosphor bronze mating sleeves are also available in packs of five.Ceramic can be easily cleaned in an autoclave,while phosphor bronze is slightly malleable and can be disconnected with less force as shown in the graphs below.

Item	Compatible Ferrule Size	Insertion Loss	Length	Disconnect Force	Materail
ADAL1	1.25mm Outer Diameter	<0.5dB Typical(SM)[a]	6.8mm	14.5N Typical[c]	Ceramic(Zirconia)
		<1.0dB Typical(MM)[b]		7.1N Typical[c]	Ceramic(Zirconia)
	2.5mm Outer Diameter	<0.2dB Typical(SM)[d]	11.4mm	15.8N Typical[f]	Ceramic(Zirconia)
		<1.0dB Typical(MM)[e]		14.4N Typical[f]	Ceramic(Zirconia)

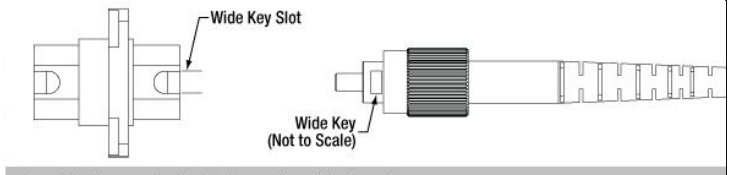
a. Tested using SM652 fiber at 635 nm with LC/PC connectors.
b. Tested using Ø200um core,0.39 NA multimode fiber with LC/PC connectors and an LED source at 617nm.
c. Tested using an LC/PC-type ferrule.
d. Tested using SMF28 fiber at 1550 nm with FC/PC connectors.
e. Tested using Ø200um core,0.39NA multimode fiber with FC/PC connectors and an LED source at 617nm.
f. Tested using FC/PC-type ferrule.

PM Fiber Mating Sleeves





The narrow key perfectly fits into the narrow key slot.



The wide key perfectly fits into the wide key slot.

- Best Possible Matching of Polarization Axes in PM Fibers
- 2.0 mm Narrow Precision Key or 2.2 mm Wide Precision Key FC Connectors
- <1.0 dB Insertion Loss(Measured at 635 nm with FC/PC- and FC/APC- Terminated PM Fibers)

Tang Pin's PM Fiber Mating Sleeves have housings made from a single piece of metal,as opposed to the typical two-piece design.This precision construction provides the best possible matching of polarization axes,making them ideal for FC/PC- or FC/APC- terminated PM fibers.To ensure the best performance,choose the mating sleeve that matches your key width.All FC/PC and FC/APC patch cables manufactured by Tang Pin use narrow key connectors. Both mating sleeves have square flanges with through holes for compatibility for custom assemblies.

Please Note: If using a non-PM fiber this insertion loss will typically be less than 0.5dB,due to higher tolerance than our non-PM mating sleeves sold above.