

# DATASHEET

## FC Female to LC Female Hybrid Fiber adapter

Simplex-Sc footprint 1



Simplex-Sc footprint 2



Duplex -Sc footprint



RoHS



OMC INDUSTRY CO.LIMITED



## FC Female to LC Female Hybrid fiber adapter

### Description

**Female to Female Hybrid Adapter** are developed to couple and mate two different (hybrid) connector plugs. The housing of the Adapters of the last generation has a reference key for the right position coupling and zirconia or phosphorus bronze split sleeve for high alignment.

This **FC(Female) to LC(Female)** SC footprint type fiber optic hybrid adapter, Converting FC connector to LC Connector. Variable FC interface conversion LC interface. Provided a simple and reliable solution for connecting two different optic fiber transmission joints.

### Material

Parts name	Material	Color
Housing body	Zinc alloy	-
Sleeve	High precision Ceramic sleeve	White
Dust Cover	ABS/Rubber	White/red/green/black

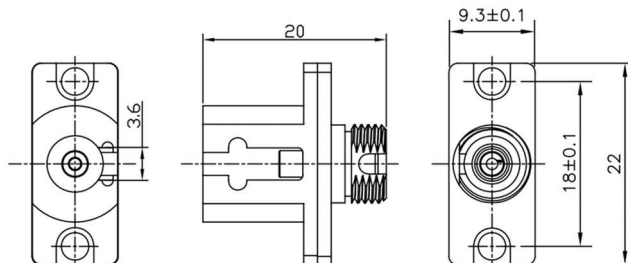
### Specification:

Test item	(SM-9/125) UPC	(SM-9/125) APC	MM PC
Insertion Loss	$\leq 0.5\text{dB}$ (max) $0.3\text{dB}$ (mean)		
Return Loss	$\geq 50\text{ dB}$	$\geq 60\text{ dB}$	$\geq 35\text{ dB}$
Durability (500 Mating)	0.1dB Max.		
Withdrawal force(g/f)	200~600		
Storage Temp	$-40 \sim +85$		

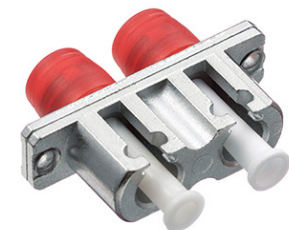
### Products details



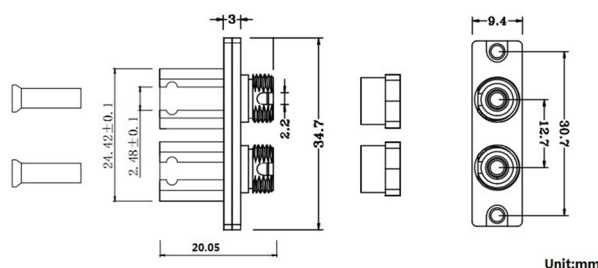
*Simplex-Sc footprint 1*



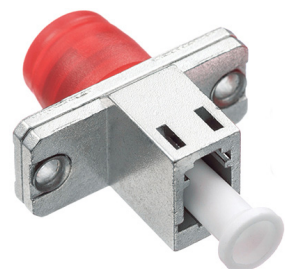
*2.5mm-1.25mm  
High precision ceramic  
sleeve*



*Duplex -Sc footprint*



Unit:mm



*Simplex-Sc footprint 2*

### Available

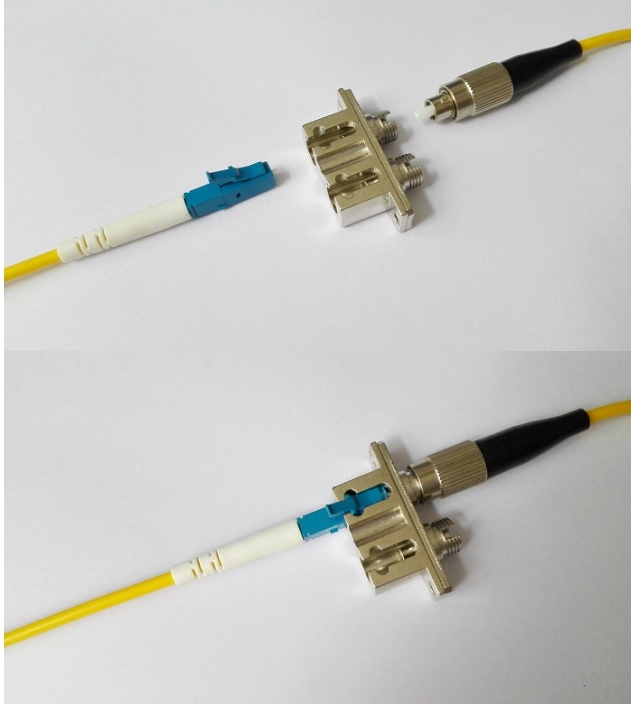
SM UPC, SM APC,  
MM OM1 62.5/125,  
MM OM2 50/125  
MM OM3 50/125  
MM OM4 50/125



## FC Female to LC Female Hybrid fiber adapter

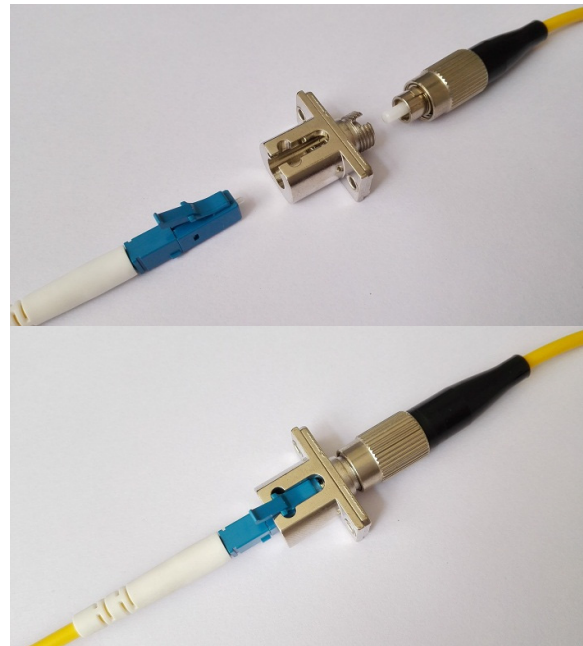
### Features

Precision connection with sleeve  
 SM and MM connector can be used interchangeably  
 Low insertion loss, High Return loss  
 Good interchangeability and reliability  
 Meet IEC and ROHS standards  
 High precision of mechanical dimensions Accuracy



### Applications

Patch panels, ODF and other optical connections.  
 Optical networks demarcation and monitoring point



### Order index

Products	-	Fibers	-	Fiber Mode	-	Fiber Port	-	Adapter Shape	-	Color
H2-Female to Female		1-Simplex		1- SM 9/125		A - FC/LC		1 - Standard		1 - metal
Fiber Adapter		2-Duplex		2- OM1 62.5/125		B - FC/SC		2 - SC footprint 1		2 - Blue
				3- OM2 50/125		C - FC/ST		3 - SC footprint 2		3 - Green
				4- OM3 50/125		D - LC/ST		4 - D hole		4 - Aqua
				5- OM4 50/125		E - LC/SC		5 - Square		5 - Beige
						F - SC/ST		6 - Rectangle		6 - meganta
						G - LC/E2000		7 - Rhombus		
						H - FC/E2000				
						I - DIN/FC				
						J - DIN/LC				
						K - DIN/SC				
						L - DIN/ST				
						M - SMA/SC				
						N - SMA/FC				
						O - SMA/ST				