

## SC Optical Fiber Adapter Plates









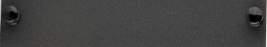

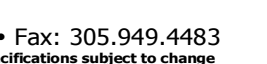

Signamax SC optical fiber adapter plates are compatible with all Signamax wall- and rack-mount optical fiber enclosures and available in 6 simplex, 8 simplex, and 6 duplex configurations with fiber counts from 6 to 12 per adapter plate. They mount easily by means of plunger locks ("pushpins"). SC adapter plates can be equipped with OM1 (62.5-µm), OM2/OM3/OM4 (50-µm) adapters suitable for multimode applications or a singlemode only version is available with adapters outfitted with zirconia ceramic sleeves. Our SC multimode laser-optimized-fiber (LOF) adapter uses zirconia ceramic sleeves.

### KEY FEATURES

- Compatible with all Signamax wall and rack mount optical fiber enclosures
- Available in
  - 6 simplex (6 fibers)
  - 8 simplex (8 fibers)
  - 6 duplex (12 fibers) configurations
- Multimode adapters are available in OM1, OM2, OM3/OM4 versions
- Singlemode adapters are available in flat and angled versions
- Fiber counts up to 12 per adapter plate
- Equipped with plunger locks ("pushpins")
- Phosphor bronze and zirconia ceramic sleeves
- Adapters are standard color-coded
- Unpopulated adapter plates are available for field assembling and building mixed configurations
- Blank adapter plates are available to cover unoccupied slots

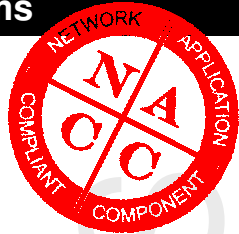
### ORDERING INFORMATION

#### SC Adapter Plates

Part Number	Description	
UFE-B-06SC	6-Fiber (6-Simplex) SC OM1/OM2 MM Adapter Plate, Beige Adapters	
UFE-B-08SC	8-Fiber (8-Simplex) SC OM1/OM2 MM Adapter Plate, Beige Adapters	
UFE-B-12SC	12-Fiber (6-Duplex) SC OM1/OM2 MM Adapter Plate, Beige Adapters	
UFE-B-06SC-G	6-Fiber (6-Simplex) SC OM3/OM4 MM LOF Adapter Plate, Aqua Adapters	
UFE-B-08SC-G	8-Fiber (8-Simplex) SC OM3/OM4 MM LOF Adapter Plate, Aqua Adapters	
UFE-B-12SC-G	12-Fiber (6-Duplex) SC OM3/OM4 MM LOF Adapter Plate, Aqua Adapters	
UFE-B-06SC-C	6-Fiber (6-Simplex) SC SM Adapter Plate, Blue Adapters	
UFE-B-08SC-C	8-Fiber (8-Simplex) SC SM Adapter Plate, Blue Adapters	
UFE-B-12SC-C	12-Fiber (6-Duplex) SC SM Adapter Plate, Blue Adapters	
UFE-B-06SCA-C	6-Fiber (6-Simplex) SC APC SM Adapter Plate, Green Adapters	
UFE-B-08SCA-C	8-Fiber (8-Simplex) SC APC SM Adapter Plate, Green Adapters	
UFE-B-12SCA-C	12-Fiber (6-Duplex) SC APC SM Adapter Plate, Green Adapters	
UFE-B-06SC-B	6-Position Simplex-SC/Duplex-LC Adapter Plate, No Adapters	
UFE-B-08SC-B	8-Position Simplex-SC/Duplex-LC Adapter Plate, No Adapters	
UFE-B-12SC-B	6-Position Duplex-SC/Quad-LC Adapter Plate, No Adapters	
UFE-B-BL	Blank Filler Plate	

Multimode OM1 and OM2 adapters use phosphor bronze sleeve.  
Multimode OM3, OM4, and singlemode adapters use zirconia ceramic sleeve.

SPECIFICATIONS



## SC Optical Fiber Adapter Plates

### SPECIFICATIONS

• **TRANSMISSION PERFORMANCE**

ANSI/TIA-568-C.3: meets or exceeds component specifications

• **TRANSMISSION MEDIA**

Multimode OM1, OM2, OM3, OM4  
Singlemode OS1, OS2

• **ADAPTER/CONNECTOR TYPE**

SC (568SC, SFOC/2.5)

• **INSERTION LOSS**

Metal sleeve: 0.10 dB typical  
0.30 dB maximum  
Zirconia sleeve: 0.05 dB typical  
0.20 dB maximum

• **MECHANICAL**

Durability: < 0.1 dB typical change, 500 mating cycles  
Sleeve/ferrule withdraw force: 1.96 N (200 gf) (0.44 lbf) – 5.88 N (600 gf) (1.32 lbf)  
Mating cycle life: min 500 cycles

• **CONSTRUCTION**

Adapter plate: body: steel, black epoxy-powder anticorrosive paint  
plunger locks: high-impact thermoplastic, UL94V-0 fire-retardant  
Adapter: housing: high-impact thermoplastic, UL94V-0 fire-retardant  
sleeve: MM: phosphor bronze alloy  
SM: zirconia ceramic

• **ADAPTER FOOTPRINT**

Standard SC simplex and duplex footprint

• **ADAPTER PLATE MOUNTING DIMENSIONS**

H 31.0 mm W 131.0 mm  
H 1.21 in W 5.14 in  
Mounting holes/plunger lock spacing: 119.0 mm (4.69 in) center-to-center

• **ENVIRONMENTAL CONDITIONS**

Operation: -40 °C – +75 °C (-40 °F – +167 °F)

• **COMPLIANCE**

TIA FOCIS, ANSI/TIA-568-C.3, GR-326, UL 94V-0

• **APPLICATIONS**

Ethernet 10, 100, 1000, 10G, 40G, 100GBASE, ANSI X3.166, ANSI X3.184, Fibre Channel, ITU-T G.984, ITU-T G.987, IEEE 802.3av, TR 4/16/100, 100VG-Any LAN, ATM, ISO/IEC 8802-3: FOIRL

• **WARRANTY**

5-year limited component warranty  
10-year Signamax Link/Channel Warranty  
15-year Signamax Extended Component Warranty  
25-year Signamax Cabling System Warranty



### RELATED PRODUCTS

Product/Product Group	Spec Sheet #
High-Density Rack-Mount Optical Fiber Enclosures _____	PSS.RM-UFEHD (A-JAN-12)
Wall Mount Fiber Optic Enclosures _____	PSS.WM-FOE (A-AUG-07)
Multimode OM1 62.5-micron Optical Fiber Patch Cords _____	PSS.OM1-OFPC (A-SEP-09)
Multimode OM2 50-micron Optical Fiber Patch Cords _____	PSS.OM2-OFPC (A-SEP-09)
Multimode OM3 50-micron Optical Fiber Patch Cords _____	PSS.OM3-OFPC (A-SEP-09)
Singlemode 9-micron Optical Fiber Patch Cords _____	PSS.OS1-OFPC (A-SEP-09)
Optical Fiber Pigtails _____	PSS.OFPT (A-JUL-09)
ST optical fiber adapter plates _____	PSS.UFE-ST (A-JAN-12)
FC optical fiber adapter plates _____	PSS.UFE-FC (A-JAN-12)
LC optical fiber adapter plates _____	PSS.UFE-LC (A-JAN-12)
MT-RJ optical fiber adapter plates _____	PSS.UFE-MTRJ (A-JAN-12)

SPECIFICATIONS