FC Optical Fiber Adapter Plates

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

**KEY FEATURES**
- Compatible with all Signamax wall and rack mount optical fiber enclosures
- Phosphor bronze and zirconia ceramic sleeves
- Available in
  - 6 simplex (6 fibers)
  - 8 simplex (8 fibers)
  - 12 simplex (12 fibers)
- Multimode adapters are available in OM1 and OM2 versions, singlemode – in flat-end-connector version
- Equipped with plunger locks ("pushpins")
- Blank adapter plates are available to cover unoccupied slots
- Unpopulated adapter plates are available for field assembling and building mixed configurations

**ORDERING INFORMATION**

**FC Adapter Plates**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>UFE-B-06FC</td>
<td>6-Fiber (6-Simplex) FC OM1/OM2 MM Adapter Plate</td>
</tr>
<tr>
<td>UFE-B-08FC</td>
<td>8-Fiber (8-Simplex) FC OM1/OM2 MM Adapter Plate</td>
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<tr>
<td>UFE-B-12FC</td>
<td>12-Fiber (12-Simplex) FC OM1/OM2 MM Adapter Plate</td>
</tr>
<tr>
<td>UFE-B-06FC-C</td>
<td>6-Fiber (6-Simplex) FC SM Adapter Plate</td>
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<tr>
<td>UFE-B-08FC-C</td>
<td>8-Fiber (8-Simplex) FC SM Adapter Plate</td>
</tr>
<tr>
<td>UFE-B-12FC-C</td>
<td>12-Fiber (12-Simplex) FC SM Adapter Plate</td>
</tr>
<tr>
<td>UFE-B-06FC-B</td>
<td>6-Position Simplex-FC Adapter Plate, No Adapters</td>
</tr>
<tr>
<td>UFE-B-08FC-B</td>
<td>8-Position Simplex-FC Adapter Plate, No Adapters</td>
</tr>
<tr>
<td>UFE-B-12FC-B</td>
<td>12-Position Simplex-FC Adapter Plate, No Adapters</td>
</tr>
<tr>
<td>UFE-B-BL</td>
<td>Blank Filler Plate</td>
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</tbody>
</table>

Multimode OM1 and OM2 adapters use phosphor bronze sleeve. Singlemode adapters use zirconia ceramic sleeve.

**RELATED PRODUCTS**

<table>
<thead>
<tr>
<th>Product/Product Group</th>
<th>Spec Sheet #</th>
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<tbody>
<tr>
<td>High-Density Rack-Mount Optical Fiber Enclosures</td>
<td>PSS.RM-UFEBHD (A-JAN-12)</td>
</tr>
<tr>
<td>Wall Mount Fiber Optic Enclosures</td>
<td>PSS.WM-FOE (A-AUG-07)</td>
</tr>
<tr>
<td>Multimode OM1 62.5-micron Optical Fiber Patch Cords</td>
<td>PSS.OM1-OFPC (A-SEP-09)</td>
</tr>
<tr>
<td>Multimode OM2 50-micron Optical Fiber Patch Cords</td>
<td>PSS.OM2-OFPC (A-SEP-09)</td>
</tr>
<tr>
<td>Multimode OM3 50-micron Optical Fiber Patch Cords</td>
<td>PSS.OM3-OFPC (A-SEP-09)</td>
</tr>
<tr>
<td>Singlemode 9-micron Optical Fiber Patch Cords</td>
<td>PSS.OFPC_P (A-SEP-09)</td>
</tr>
<tr>
<td>Optical Fiber Pigtails</td>
<td>PSS.OFPT (A-JUL-09)</td>
</tr>
<tr>
<td>ST optical fiber adapter plates</td>
<td>PSS.UFE-ST (A-JAN-12)</td>
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<tr>
<td>SC optical fiber adapter plates</td>
<td>PSS.UFE-SC (A-JAN-12)</td>
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<tr>
<td>LC optical fiber adapter plates</td>
<td>PSS.UFE-LC (A-JAN-12)</td>
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<tr>
<td>MT-RJ optical fiber adapter plates</td>
<td>PSS.UFE-MTRJ (A-JAN-12)</td>
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</tbody>
</table>
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SPECIFICATIONS

• **TRANSMISSION PERFORMANCE**
  ANSI/TIA-568-C.3: meets or exceeds component specifications

• **TRANSMISSION MEDIA**
  Multimode OM1, OM2
  Singlemode OS1, OS2

• **ADAPTER/CONNECTOR TYPE**
  FC (BFOC/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: stainless steel
  sleeve: MM: phosphor bronze alloy
  SM: zirconia ceramic

• **ADAPTER FOOTPRINT**
  Standard FC simplex 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

• **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

www.signamax.com