

3M™ Fiber Distribution Units 8400 Series

The Network of Networks

# Flexibility for Growing Networks



# Flexible options to meet growing needs in limited spaces

3M offers a full line of patch panel designs to simplify your cable management and interconnect challenges. Assuring the integrity of fiber optic facilities is essential, whether in access networks or inside private networks. The range of 3M™ Fiber Distribution Unit 8400 Series provides excellent fiber cable management at termination points with choices of splice management, connector types, panel sizes in rack mount or wall mount configurations.

All 3M Fiber Distribution Units (FDUs) are constructed of 16-gauge galvanized steel with attractive powder-coat, baked epoxy paint in either black or almond color. The 8400 series FDUs are an easy choice with simple installation, modular configurations and highly durable construction.

All 3M FDUs are packaged including cable mounting hardware and fiber retention clips that can be placed into the customers' preferred locations. This allows for flexibility in configuration in many applications such as the Data Center, Telecom room, Enterprise distribution closet, Traffic control cabinets, and inside pad mounted Remote Terminals.

All 3M™ Adapter Plates 8400 Series are a common size to fit across all the FDU panel choices. Plates are configured with the most common adapter types for connectors such as SC, LC, ST and FC. Plates can be ordered in configurations of 6, 8, and 12-port designs. A high-density 24-port LC adapter plate design is also available.



3M™ Fiber Distribution Units 8430 Series, wall mount, black color option

## Rack Mount Solutions

Modular in design, the 3M™ Rack Mount Fiber Distribution Unit 8400 Series provides choices in one, two, three or four rack units of space.

- Easy access to rear compartment and jumpers
- Many modular adapter plates available
- Simple installation; less hardware required

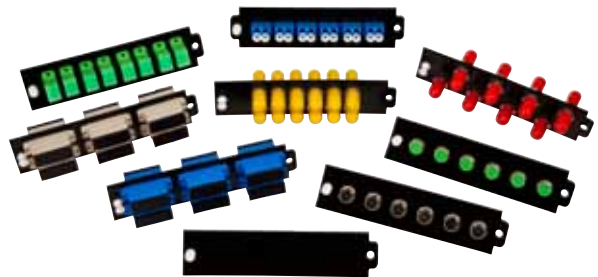


3M™ Fiber Distribution Unit 8423BK, 1RU height

## Wall-Mount Solutions

Available in three sizes, the 3M™ Wall Mount Fiber Distribution Unit 8430 Series provides excellent cable management in low to medium fiber count installations.

- Separate lockable compartments
- Low-profile design
- Many modular adapter plates available



3M™ Fiber Distribution Unit 8400 Series Adapter Plates



3M™ Fiber Distribution Unit 8423BK with 3M™ Fiber Distribution Unit Expansion Ring 8423BK-EXP (loaded)

# 3M™ Rack Mount Fiber Distribution Unit 8423

The 8423 patch panel is designed to provide a low-profile 1RU compact solution for termination of 24 simplex SC or up to 72 Quad LC adapters. At less than 44.4 mm (1.75" height), the panel fits easily into one unit of rack space. The addition of the 8423-EXP panel upgrades the unit to up to 48, 72 or 144 ports in two units of rack space. The panel is mounted on glides that permit front access, drawer-like movement within the rack. The units offer networking and fiber distribution from the vault or wiring closet to the user's terminal equipment.

The front of the panel forms a shelf, providing physical protection for the connectors and routing options for the patch cords. An optional jumper cover (8423BK-1UC) is available to protect patch cords from being snagged. Designed for 19" rack mounting, the 8423 panel is easily adapted to 23" rack mounting with the addition of the 8423BK-BKT bracket kit.



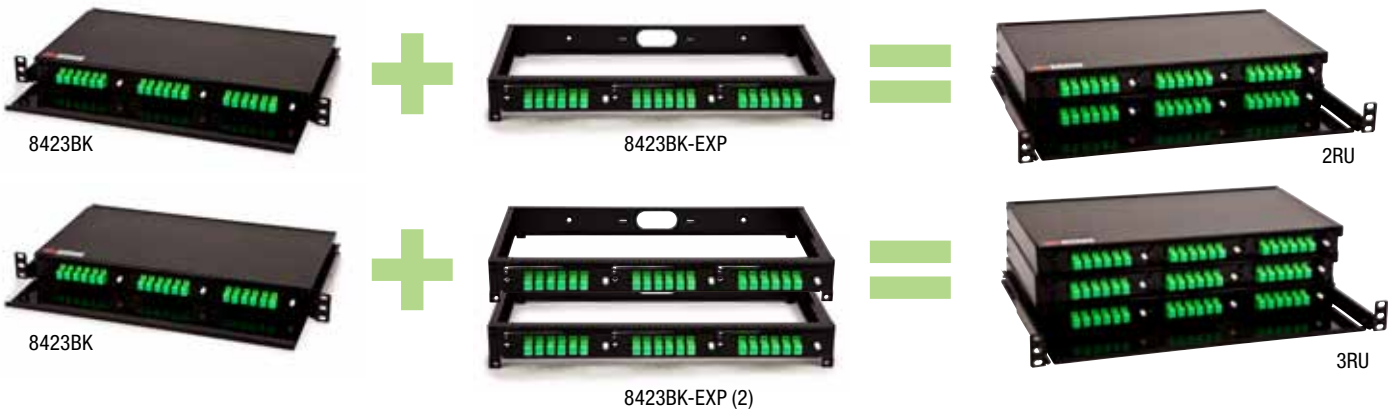
3M™ Fiber Distribution Unit 8423BK

## 3M™ Rack Mount Fiber Distribution Unit 8423

| Features                                                   | Benefits                                                                                                           |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 6-72 ports within one unit of rack space                   | Conserves space                                                                                                    |
| Glide mounting system                                      | Provides easy front access to rear compartment and jumpers                                                         |
| Adjustable stops in glides                                 | Allows positive stops for flush or mid-mount applications                                                          |
| Assortment of modular adapter plates                       | Many connector styles cover most applications                                                                      |
| Pre-assembled coupling plates                              | Saves time                                                                                                         |
| Grommeted cable entry                                      | Can reduce rear dust entry/physical protection of cable                                                            |
| No tools needed to re-enter rear compartment               | Rapid access                                                                                                       |
| Powder-coated baked epoxy on galvanized steel construction | Rugged and durable. Tested to ASTM standards for environmental and physical durability. Choice of black or almond. |

## Expandable for any application

Flexibility is key for growing fiber networks. The 8423 is expandable so as you grow, so can your fiber network.





# 3M™ Rack Mount Fiber Distribution Unit 8425 Series

**8425** – Rack Mount FDU, 4RU height, maximum capacity of 144 SC ports /288 Quad LC ports.

**8425-BPL** – The 8425 FDU with extended back panel and locks can accommodate up to four each 3M™ Splice Trays 2524 to hold up to a maximum of 96 mechanical or 96 fusion splices. The unit is shipped with one 2524-FT tray for 24 fusion splices. Order three additional trays as required. Both front and back panels are lockable. Two keys included.



3M™ Rack Mount Fiber Distribution Unit 8425BK with nine 8406BK-CSA and three 8499BK plates (jumper side view)

## 3M™ Rack Mount Fiber Distribution Unit 8425

| Features                                                    | Benefits                                                                                       |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Modular construction                                        | Flexible upgrades, customized applications, future expansion                                   |
| Assortment of adapter plates                                | Available with most major adapter styles and counts                                            |
| Integral splice capability                                  | Simplifies installation, less hardware required                                                |
| Lockable doors (8425-BPL)                                   | Added protection and security                                                                  |
| Front and rear doors recessed (8425)                        | No protruding parts to snag fibers                                                             |
| Wide rear floor – full 43.2 cm (17")                        | Wide area for routing and storage of fiber                                                     |
| Generous side entry ports                                   | Allows for easy cable entry from any direction                                                 |
| Chassis-mounted cable strain relief and ground lug location | Allows easy use of cable clamps or cable ties                                                  |
| 7.6 cm (3") or greater bend diameter throughout             | Minimizes macrobending                                                                         |
| Repositionable brackets, flexible mounting                  | 48.3 cm (19") or 58.4 cm (23") rack                                                            |
| Self-contained splicing unit (8425-BPL)                     | All activities performed in same unit, saves space and minimizes expense                       |
| Powder-coated baked epoxy on galvanized steel               | Tested to ASTM standards for environmental and physical durability. Choice of black or almond. |



3M™ Fiber Distribution Unit 8425BK (back view)



3M™ Fiber Distribution Unit 8425BK-BPL (front view)



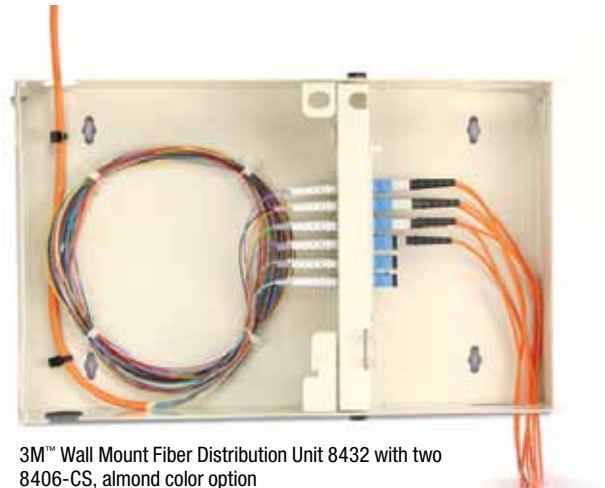
3M™ Fiber Distribution Unit 8425BK-BPL with trays (back view)



# 3M™ Wall Mount Fiber Distribution Unit 8430 Series

The 8430 series patch panel brings the features of our rack-mounted 8400 system to your wall-mounted building entrance and LAN applications. Available in three sizes, these units provide excellent cable management in low to medium fiber count installations. The 8430 series panels offer efficient use of space, as well as functionality and rugged durability. The units are secure enough for mounting in high-traffic areas and their attractive, low-profile design makes them acceptable for installation anywhere in your facility. The cabinets have two separate, lockable compartments and can be mounted to permit cable entry on either side top and bottom. The unique swivel partition between the two chambers provides easy access to all adapters.

- The 8432 panel is configured to accommodate two adapter plates of 6, 8, 12 or 24 adapters each.
- The 8434 panel is configured to accommodate four adapter plates of 6, 8, 12 or 24 adapters each.
- The 8436 panel is configured to accommodate six adapter plates of 6, 8, 12 or 24 adapters each.



3M™ Wall Mount Fiber Distribution Unit 8432 with two 8406-CS, almond color option



3M™ Wall Mount Fiber Distribution Unit 8430 Series Family, black color option

## Features and Benefits

| 3M™ Wall Mount Fiber Distribution Unit 8430 Series |                                                                                                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------|
| Separate lockable compartments                     | Provides demarcation point between customer and service                                        |
| Assortment of modular adapter plates               | Available in most major connector styles                                                       |
| Pre-assembled adapter plates                       | Saves time                                                                                     |
| Swivel partition                                   | Easier access to adapters                                                                      |
| Four-corner cable entry                            | Allows left or right, bottom or top cable entry                                                |
| Grommeted cable and jumper openings                | Can reduce dust entry/physical protection of jumpers                                           |
| Cable ports open to outer edge                     | Permits pass through of express fibers                                                         |
| Easily removable doors (can clip in place)         | Accessibility during installation                                                              |
| Powder-coated baked epoxy on galvanized steel      | Tested to ASTM standards for environmental and physical durability. Choice of black or almond. |

### 3M™ Fiber Distribution Units 8400 Series Specifications

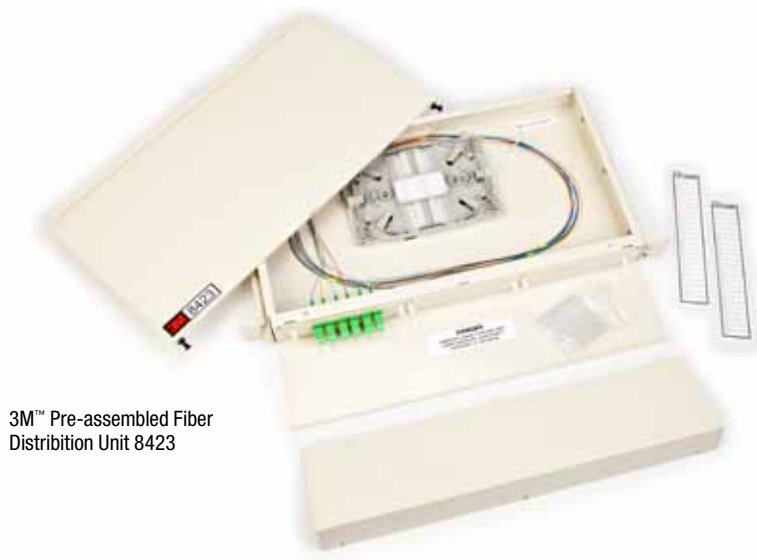
|                                                                                   | Product Number         | Size (H X W X D) CM (IN.)*               | Weight kg (lbs) | Application       | Maximum # of Adapter Plates | Ports Per Plate         | Ports Per Unit            |
|-----------------------------------------------------------------------------------|------------------------|------------------------------------------|-----------------|-------------------|-----------------------------|-------------------------|---------------------------|
|  | 8423<br>8423BK         | 4.1 x 42.5 x 33<br>(1.6 x 16.7 x 13)     | 3.6 (8)         | Rack Mount<br>1RU | 3                           | 6<br>8<br>12<br>24 (LC) | 18<br>24<br>36<br>72 (LC) |
|                                                                                   | 8423-EXP<br>8423BK-EXP | 4.1 x 42.5 x 23<br>(1.6 x 16.7 x 9)      | 1.4 (3)         | Rack Mount<br>1RU | 3                           | 6<br>8<br>12<br>24 (LC) | 18<br>24<br>36<br>72 (LC) |
|  | 8425<br>8425BK         | 17.7 x 43.1 x 30.4<br>(7 x 17 x 12)      | 8.1 (18)        | Rack Mount<br>4RU | 12                          | 6<br>8<br>12<br>24 (LC) | 72<br>96<br>144<br>288    |
|                                                                                   | 8425-BPL<br>8425BK-BPL | 17.7 x 43.1 x 31.8<br>(7 x 17 x 12.5)    | 9.2 (20.5)      | Rack Mount<br>4RU | 12                          | 6<br>8<br>12<br>24 (LC) | 72<br>96<br>144<br>288    |
|  | 8432<br>8432BK         | 23.4 x 38.6 x 8.1<br>(9.2 x 15.2 x 3.2)  | 4.1 (9)         | Wall Mount        | 2                           | 6<br>8<br>12<br>24 (LC) | 12<br>16<br>24<br>48      |
|                                                                                   | 8434<br>8434BK         | 28.5 x 38.6 x 8.1<br>(11.2 x 15.2 x 3.2) | 4.5 (10)        | Wall Mount        | 4                           | 6<br>8<br>12<br>24 (LC) | 24<br>32<br>48<br>96      |
|                                                                                   | 8436<br>8436BK         | 45.7 x 38.6 x 8.1<br>(18.0 x 15.2 x 3.2) | 6.8 (15)        | Wall Mount        | 6                           | 6<br>8<br>12<br>24 (LC) | 36<br>48<br>72<br>144     |

Note: BK in the product number indicates the black color option. 3M™ Port Expanders 8423-Expand 8423BK-EXP are shipped without adapter plates.

### 3M™ Fiber Distribution Units 8400 Series Ordering Information

| Product Number              | Description                                                                         | 3M ID          | Color  |
|-----------------------------|-------------------------------------------------------------------------------------|----------------|--------|
| <b>FDU Rack Mount Boxes</b> |                                                                                     |                |        |
| 8423                        | FDU 1RU (holds 3 plates)                                                            | 80-6109-3697-5 | Almond |
| 8423-EXP                    | FDU expansion ring 1RU (holds 3 plates)                                             | 80-6109-3698-3 | Almond |
| 8425                        | FDU 4RU (holds 12 plates)                                                           | 80-6108-6082-9 | Almond |
| 8425-BPL                    | FDU 4RU back panel with one 3M Splice Tray 2524-FT, locking doors (holds 12 plates) | 80-6108-6103-3 | Almond |
| 8423BK                      | FDU 1RU (holds 3 plates)                                                            | 80-6113-3542-5 | Black  |
| 8423BK-EXP                  | FDU expansion ring 1RU (holds 3 plates)                                             | 80-6113-3544-1 | Black  |
| 8425BK                      | FDU 4RU (holds 12 plates)                                                           | 80-6113-3545-8 | Black  |
| 8425BK-BPL                  | FDU 4RU back panel with one 3M Splice Tray 2524-FT, locking doors (holds 12 plates) | 80-6113-3546-6 | Black  |
| <b>FDU Wall Mount Boxes</b> |                                                                                     |                |        |
| 8432                        | FDU wall box, 9" tall (holds 2 plates)                                              | 80-6109-3490-5 | Almond |
| 8434                        | FDU wall box, 11" tall (holds 4 plates)                                             | 80-6109-3491-3 | Almond |
| 8436                        | FDU wall box, 18" tall (holds 6 plates)                                             | 80-6109-3492-1 | Almond |
| 8432BK                      | FDU wall box, 9" tall (holds 2 plates)                                              | 80-6113-3548-2 | Black  |
| 8434BK                      | FDU wall box, 11" tall (holds 4 plates)                                             | 80-6113-3549-0 | Black  |
| 8436BK                      | FDU wall box, 18" tall (holds 6 plates)                                             | 80-6113-3550-8 | Black  |

# 3M™ Pre-assembled with Pigtails Fiber Distribution Units 8423



3M™ Pre-assembled Fiber  
Distribution Unit 8423

## Singlemode SC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                        | 3M ID          | Min. Order |
|----------------|------------------------------------------------------------------------------------|----------------|------------|
| 8423-006A02    | FDU (1RU, Almond) with 6 pre-installed SC/UPC pigtails and 6 SM simplex adapters   | 80-6113-9529-6 | 1          |
| 8423-012A02    | FDU (1RU, Almond) with 12 pre-installed SC/UPC pigtails and 12 SM simplex adapters | 80-6113-9530-4 | 1          |
| 8423-024A02    | FDU (1RU, Almond) with 24 pre-installed SC/UPC pigtails and 24 SM simplex adapters | 80-6113-9531-2 | 1          |
| 8423-048A02    | FDU (2RU, Almond) with 48 pre-installed SC/UPC pigtails and 48 SM simplex adapters | 80-6113-9532-0 | 1          |
| 8423-072A02    | FDU (2RU, Almond) with 72 pre-installed SC/UPC pigtails and 72 SM duplex adapters  | 80-6113-9533-8 | 1          |
| 8423BK-006A02  | FDU (1RU, Black) with 6 pre-installed SC/UPC pigtails and 6 SM simplex adapters    | 80-6113-9534-6 | 1          |
| 8423BK-012A02  | FDU (1RU, Black) with 12 pre-installed SC/UPC pigtails and 12 SM simplex adapters  | 80-6113-9535-3 | 1          |
| 8423BK-024A02  | FDU (1RU, Black) with 24 pre-installed SC/UPC pigtails and 24 SM simplex adapters  | 80-6113-9536-1 | 1          |
| 8423BK-048A02  | FDU (2RU, Black) with 48 pre-installed SC/UPC pigtails and 48 SM simplex adapters  | 80-6113-9537-9 | 1          |
| 8423BK-072A02  | FDU (2RU, Black) with 72 pre-installed SC/UPC pigtails and 72 SM duplex adapters   | 80-6113-9538-7 | 1          |
| 8423-006B02    | FDU (1RU, Almond) with 6 pre-installed SC/APC pigtails and 6 SM simplex adapters   | 80-6113-9539-5 | 1          |
| 8423-012B02    | FDU (1RU, Almond) with 12 pre-installed SC/APC pigtails and 12 SM simplex adapters | 80-6113-9675-7 | 1          |
| 8423-024B02    | FDU (1RU, Almond) with 24 pre-installed SC/APC pigtails and 24 SM simplex adapters | 80-6113-9676-5 | 1          |
| 8423-048B02    | FDU (2RU, Almond) with 48 pre-installed SC/APC pigtails and 48 SM simplex adapters | 80-6113-9542-9 | 1          |
| 8423-072B02    | FDU (2RU, Almond) with 72 pre-installed SC/APC pigtails and 72 SM duplex adapters  | 80-6113-9543-7 | 1          |
| 8423BK-006B02  | FDU (1RU, Black) with 6 pre-installed SC/APC pigtails and 6 SM simplex adapters    | 80-6113-9544-5 | 1          |
| 8423BK-012B02  | FDU (1RU, Black) with 12 pre-installed SC/APC pigtails and 12 SM simplex adapters  | 80-6113-9545-2 | 1          |
| 8423BK-024B02  | FDU (1RU, Black) with 24 pre-installed SC/APC pigtails and 24 SM simplex adapters  | 80-6113-9546-0 | 1          |
| 8423BK-048B02  | FDU (2RU, Black) with 48 pre-installed SC/APC pigtails and 48 SM simplex adapters  | 80-6113-9547-8 | 1          |
| 8423BK-072B02  | FDU (2RU, Black) with 72 pre-installed SC/APC pigtails and 72 SM duplex adapters   | 80-6113-9548-6 | 1          |



## 3M™ Pre-assembled Fiber Distribution Units 8423 Series

### Singlemode LC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                       | 3M ID          | Min. Order |
|----------------|-----------------------------------------------------------------------------------|----------------|------------|
| 8423-012C02    | FDU (1RU, Almond) with 12 pre-installed LC/UPC pigtails and 12 SM duplex adapters | 80-6113-9549-4 | 1          |
| 8423-024C02    | FDU (1RU, Almond) with 24 pre-installed LC/UPC pigtails and 24 SM duplex adapters | 80-6113-9550-2 | 1          |
| 8423-036C02    | FDU (1RU, Almond) with 36 pre-installed LC/UPC pigtails and 36 SM duplex adapters | 80-6113-9551-0 | 1          |
| 8423-048C02    | FDU (1RU, Almond) with 48 pre-installed LC/UPC pigtails and 48 SM quad adapters   | 80-6113-9552-8 | 1          |
| 8423BK-012C02  | FDU (1RU, Black) with 12 pre-installed LC/UPC pigtails and 12 SM duplex adapters  | 80-6113-9553-6 | 1          |
| 8423BK-024C02  | FDU (1RU, Black) with 24 pre-installed LC/UPC pigtails and 24 SM duplex adapters  | 80-6113-9554-4 | 1          |
| 8423BK-036C02  | FDU (1RU, Black) with 36 pre-installed LC/UPC pigtails and 36 SM duplex adapters  | 80-6113-9555-1 | 1          |
| 8423BK-048C02  | FDU (1RU, Black) with 48 pre-installed LC/UPC pigtails and 48 SM quad adapters    | 80-6113-9556-9 | 1          |
| 8423-012D02    | FDU (1RU, Almond) with 12 pre-installed LC/APC pigtails and 12 SM duplex adapters | 80-6113-9557-7 | 1          |
| 8423-024D02    | FDU (1RU, Almond) with 24 pre-installed LC/APC pigtails and 24 SM duplex adapters | 80-6113-9558-5 | 1          |
| 8423-036D02    | FDU (1RU, Almond) with 36 pre-installed LC/APC pigtails and 36 SM duplex adapters | 80-6113-9559-3 | 1          |
| 8423-048D02    | FDU (1RU, Almond) with 48 pre-installed LC/APC pigtails and 48 SM quad adapters   | 80-6113-9560-1 | 1          |
| 8423BK-012D02  | FDU (1RU, Black) with 12 pre-installed LC/APC pigtails and 12 SM duplex adapters  | 80-6113-9561-9 | 1          |
| 8423BK-024D02  | FDU (1RU, Black) with 24 pre-installed LC/APC pigtails and 24 SM duplex adapters  | 80-6113-9562-7 | 1          |
| 8423BK-036D02  | FDU (1RU, Black) with 36 pre-installed LC/APC pigtails and 36 SM duplex adapters  | 80-6113-9563-5 | 1          |
| 8423BK-048D02  | FDU (1RU, Black) with 48 pre-installed LC/APC pigtails and 48 SM quad adapters    | 80-6113-9564-3 | 1          |

### Singlemode ST Pre-assembled FDU Ordering Information

| Product Number | Description                                                                        | 3M ID          | Min. Order |
|----------------|------------------------------------------------------------------------------------|----------------|------------|
| 8423-006E02    | FDU (1RU, Almond) with 6 pre-installed ST/UPC pigtails and 6 SM simplex adapters   | 80-6113-9565-0 | 1          |
| 8423-012E02    | FDU (1RU, Almond) with 12 pre-installed ST/UPC pigtails and 12 SM simplex adapters | 80-6113-9566-8 | 1          |
| 8423-024E02    | FDU (1RU, Almond) with 24 pre-installed ST/UPC pigtails and 24 SM simplex adapters | 80-6113-9567-6 | 1          |
| 8423-048E02    | FDU (2RU, Almond) with 48 pre-installed ST/UPC pigtails and 48 SM simplex adapters | 80-6113-9568-4 | 1          |
| 8423-072E02    | FDU (2RU, Almond) with 72 pre-installed ST/UPC pigtails and 72 SM duplex adapters  | 80-6113-9569-2 | 1          |
| 8423BK-006E02  | FDU (1RU, Black) with 6 pre-installed ST/UPC pigtails and 6 SM simplex adapters    | 80-6113-9570-0 | 1          |
| 8423BK-012E02  | FDU (1RU, Black) with 12 pre-installed ST/UPC pigtails and 12 SM simplex adapters  | 80-6113-9571-8 | 1          |
| 8423BK-024E02  | FDU (1RU, Black) with 24 pre-installed ST/UPC pigtails and 24 SM simplex adapters  | 80-6113-9572-6 | 1          |
| 8423BK-048E02  | FDU (2RU, Black) with 48 pre-installed ST/UPC pigtails and 48 SM simplex adapters  | 80-6113-9573-4 | 1          |
| 8423BK-072E02  | FDU (2RU, Black) with 72 pre-installed ST/UPC pigtails and 72 SM duplex adapters   | 80-6113-9574-2 | 1          |

## 3M™ Pre-assembled Fiber Distribution Units 8423 Series

### Multimode 62.5 µm SC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                            | 3M ID          | Min. Order |
|----------------|----------------------------------------------------------------------------------------|----------------|------------|
| 8423-006F02    | FDU (1RU, Almond) with 6 pre-installed 62.5 µm SC pigtails and 6 MM simplex adapters   | 80-6113-9575-9 | 1          |
| 8423-012F02    | FDU (1RU, Almond) with 12 pre-installed 62.5 µm SC pigtails and 12 MM simplex adapters | 80-6113-9576-7 | 1          |
| 8423-024F02    | FDU (1RU, Almond) with 24 pre-installed 62.5 µm SC pigtails and 24 MM simplex adapters | 80-6113-9577-5 | 1          |
| 8423-048F02    | FDU (2RU, Almond) with 48 pre-installed 62.5 µm SC pigtails and 48 MM simplex adapters | 80-6113-9578-3 | 1          |
| 8423-072F02    | FDU (2RU, Almond) with 72 pre-installed 62.5 µm SC pigtails and 72 MM duplex adapters  | 80-6113-9579-1 | 1          |
| 8423BK-006F02  | FDU (1RU, Black) with 6 pre-installed 62.5 µm SC pigtails and 6 MM simplex adapters    | 80-6113-9580-9 | 1          |
| 8423BK-012F02  | FDU (1RU, Black) with 12 pre-installed 62.5 µm SC pigtails and 12 MM simplex adapters  | 80-6113-9581-7 | 1          |
| 8423BK-024F02  | FDU (1RU, Black) with 24 pre-installed 62.5 µm SC pigtails and 24 MM simplex adapters  | 80-6113-9582-5 | 1          |
| 8423BK-048F02  | FDU (2RU, Black) with 48 pre-installed 62.5 µm SC pigtails and 48 MM simplex adapters  | 80-6113-9583-3 | 1          |
| 8423BK-072F02  | FDU (2RU, Black) with 72 pre-installed 62.5 µm SC pigtails and 72 MM duplex adapters   | 80-6113-9584-1 | 1          |

### Multimode 62.5 µm LC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                           | 3M ID          | Min. Order |
|----------------|---------------------------------------------------------------------------------------|----------------|------------|
| 8423-012J02    | FDU (1RU, Almond) with 12 pre-installed 62.5 µm LC pigtails and 12 MM duplex adapters | 80-6113-9585-8 | 1          |
| 8423-024J02    | FDU (1RU, Almond) with 24 pre-installed 62.5 µm LC pigtails and 24 MM duplex adapters | 80-6113-9586-6 | 1          |
| 8423-036J02    | FDU (1RU, Almond) with 36 pre-installed 62.5 µm LC pigtails and 36 MM duplex adapters | 80-6113-9587-4 | 1          |
| 8423-048J02    | FDU (1RU, Almond) with 48 pre-installed 62.5 µm LC pigtails and 48 MM quad adapters   | 80-6113-9588-2 | 1          |
| 8423BK-012J02  | FDU (1RU, Black) with 12 pre-installed 62.5 µm LC pigtails and 12 MM duplex adapters  | 80-6113-9589-0 | 1          |
| 8423BK-024J02  | FDU (1RU, Black) with 24 pre-installed 62.5 µm LC pigtails and 24 MM duplex adapters  | 80-6113-9590-8 | 1          |
| 8423BK-036J02  | FDU (1RU, Black) with 36 pre-installed 62.5 µm LC pigtails and 36 MM duplex adapters  | 80-6113-9591-6 | 1          |
| 8423BK-048J02  | FDU (1RU, Black) with 48 pre-installed 62.5 µm LC pigtails and 48 MM quad adapters    | 80-6113-9592-4 | 1          |

### Multimode 62.5 µm ST Pre-assembled FDU Ordering Information

| Product Number | Description                                                                            | 3M ID          | Min. Order |
|----------------|----------------------------------------------------------------------------------------|----------------|------------|
| 8423-006M02    | FDU (1RU, Almond) with 6 pre-installed 62.5 µm ST pigtails and 6 MM simplex adapters   | 80-6113-9609-6 | 1          |
| 8423-012M02    | FDU (1RU, Almond) with 12 pre-installed 62.5 µm ST pigtails and 12 MM simplex adapters | 80-6113-9610-4 | 1          |
| 8423-024M02    | FDU (1RU, Almond) with 24 pre-installed 62.5 µm ST pigtails and 24 MM simplex adapters | 80-6113-9611-2 | 1          |
| 8423-048M02    | FDU (2RU, Almond) with 48 pre-installed 62.5 µm ST pigtails and 48 MM simplex adapters | 80-6113-9612-0 | 1          |
| 8423-072M02    | FDU (2RU, Almond) with 72 pre-installed 62.5 µm ST pigtails and 72 MM duplex adapters  | 80-6113-9613-8 | 1          |
| 8423BK-006M02  | FDU (1RU, Black) with 6 pre-installed 62.5 µm ST pigtails and 6 MM simplex adapters    | 80-6113-9614-6 | 1          |
| 8423BK-012M02  | FDU (1RU, Black) with 12 pre-installed 62.5 µm ST pigtails and 12 MM simplex adapters  | 80-6113-9615-3 | 1          |
| 8423BK-024M02  | FDU (1RU, Black) with 24 pre-installed 62.5 µm ST pigtails and 24 MM simplex adapters  | 80-6113-9616-1 | 1          |
| 8423BK-048M02  | FDU (2RU, Black) with 48 pre-installed 62.5 µm ST pigtails and 48 MM simplex adapters  | 80-6113-9617-9 | 1          |
| 8423BK-072M02  | FDU (2RU, Black) with 72 pre-installed 62.5 µm ST pigtails and 72 MM duplex adapters   | 80-6113-9618-7 | 1          |

## 3M™ Pre-assembled Fiber Distribution Units 8423 Series

### Multimode 50 µm SC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                          | 3M ID          | Min. Order |
|----------------|--------------------------------------------------------------------------------------|----------------|------------|
| 8423-006G02    | FDU (1RU, Almond) with 6 pre-installed 50 µm SC pigtails and 6 MM simplex adapters   | 80-6113-9619-5 | 1          |
| 8423-012G02    | FDU (1RU, Almond) with 12 pre-installed 50 µm SC pigtails and 12 MM simplex adapters | 80-6113-9620-3 | 1          |
| 8423-024G02    | FDU (1RU, Almond) with 24 pre-installed 50 µm SC pigtails and 24 MM simplex adapters | 80-6113-9621-1 | 1          |
| 8423-048G02    | FDU (2RU, Almond) with 48 pre-installed 50 µm SC pigtails and 48 MM simplex adapters | 80-6113-9622-9 | 1          |
| 8423-072G02    | FDU (2RU, Almond) with 72 pre-installed 50 µm SC pigtails and 72 MM duplex adapters  | 80-6113-9623-7 | 1          |
| 8423BK-006G02  | FDU (1RU, Black) with 6 pre-installed 50 µm SC pigtails and 6 MM simplex adapters    | 80-6113-9624-5 | 1          |
| 8423BK-012G02  | FDU (1RU, Black) with 12 pre-installed 50 µm SC pigtails and 12 MM simplex adapters  | 80-6113-9625-2 | 1          |
| 8423BK-024G02  | FDU (1RU, Black) with 24 pre-installed 50 µm SC pigtails and 24 MM simplex adapters  | 80-6113-9626-0 | 1          |
| 8423BK-048G02  | FDU (2RU, Black) with 48 pre-installed 50 µm SC pigtails and 48 MM simplex adapters  | 80-6113-9627-8 | 1          |
| 8423BK-072G02  | FDU (2RU, Black) with 72 pre-installed 50 µm SC pigtails and 72 MM duplex adapters   | 80-6113-9628-6 | 1          |

### Multimode 50 µm LC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                         | 3M ID          | Min. Order |
|----------------|-------------------------------------------------------------------------------------|----------------|------------|
| 8423-012K02    | FDU (1RU, Almond) with 12 pre-installed 50 µm LC pigtails and 12 MM duplex adapters | 80-6113-9629-4 | 1          |
| 8423-024K02    | FDU (1RU, Almond) with 24 pre-installed 50 µm LC pigtails and 24 MM duplex adapters | 80-6113-9630-2 | 1          |
| 8423-036K02    | FDU (1RU, Almond) with 36 pre-installed 50 µm LC pigtails and 36 MM duplex adapters | 80-6113-9631-0 | 1          |
| 8423-048K02    | FDU (1RU, Almond) with 48 pre-installed 50 µm LC pigtails and 48 MM quad adapters   | 80-6113-9632-8 | 1          |
| 8423BK-012K02  | FDU (1RU, Black) with 12 pre-installed 50 µm LC pigtails and 12 MM duplex adapters  | 80-6113-9633-6 | 1          |
| 8423BK-024K02  | FDU (1RU, Black) with 24 pre-installed 50 µm LC pigtails and 24 MM duplex adapters  | 80-6113-9634-4 | 1          |
| 8423BK-036K02  | FDU (1RU, Black) with 36 pre-installed 50 µm LC pigtails and 36 MM duplex adapters  | 80-6113-9635-1 | 1          |
| 8423BK-048K02  | FDU (1RU, Black) with 48 pre-installed 50 µm LC pigtails and 48 MM quad adapters    | 80-6113-9636-9 | 1          |

### Multimode 50 µm ST Pre-assembled FDU Ordering Information

| Product Number | Description                                                                          | 3M ID          | Min. Order |
|----------------|--------------------------------------------------------------------------------------|----------------|------------|
| 8423-006N02    | FDU (1RU, Almond) with 6 pre-installed 50 µm ST pigtails and 6 MM simplex adapters   | 80-6113-9637-7 | 1          |
| 8423-012N02    | FDU (1RU, Almond) with 12 pre-installed 50 µm ST pigtails and 12 MM simplex adapters | 80-6113-9638-5 | 1          |
| 8423-024N02    | FDU (1RU, Almond) with 24 pre-installed 50 µm ST pigtails and 24 MM simplex adapters | 80-6113-9639-3 | 1          |
| 8423-048N02    | FDU (2RU, Almond) with 48 pre-installed 50 µm ST pigtails and 48 MM simplex adapters | 80-6113-9640-1 | 1          |
| 8423-072N02    | FDU (2RU, Almond) with 72 pre-installed 50 µm ST pigtails and 72 MM duplex adapters  | 80-6113-9641-9 | 1          |
| 8423BK-006N02  | FDU (1RU, Black) with 6 pre-installed 50 µm ST pigtails and 6 MM simplex adapters    | 80-6113-9642-7 | 1          |
| 8423BK-012N02  | FDU (1RU, Black) with 12 pre-installed 50 µm ST pigtails and 12 MM simplex adapters  | 80-6113-9643-5 | 1          |
| 8423BK-024N02  | FDU (1RU, Black) with 24 pre-installed 50 µm ST pigtails and 24 MM simplex adapters  | 80-6113-9644-3 | 1          |
| 8423BK-048N02  | FDU (2RU, Black) with 48 pre-installed 50 µm ST pigtails and 48 MM simplex adapters  | 80-6113-9645-0 | 1          |
| 8423BK-072N02  | FDU (2RU, Black) with 72 pre-installed 50 µm ST pigtails and 72 MM duplex adapters   | 80-6113-9646-8 | 1          |

## 3M™ Pre-assembled Fiber Distribution Units 8423 Series

### Laser Optimized Multimode 50 µm SC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                                     | 3M ID          | Min. Order |
|----------------|-------------------------------------------------------------------------------------------------|----------------|------------|
| 8423-006H02    | FDU (1RU, Almond) with 6 pre-installed 50 µm LOMMF SC pigtails and 6 aqua MM simplex adapters   | 80-6113-9647-6 | 1          |
| 8423-012H02    | FDU (1RU, Almond) with 12 pre-installed 50 µm LOMMF SC pigtails and 12 aqua MM simplex adapters | 80-6113-9648-4 | 1          |
| 8423-024H02    | FDU (1RU, Almond) with 24 pre-installed 50 µm LOMMF SC pigtails and 24 aqua MM simplex adapters | 80-6113-9649-2 | 1          |
| 8423-048H02    | FDU (2RU, Almond) with 48 pre-installed 50 µm LOMMF SC pigtails and 48 aqua MM simplex adapters | 80-6113-9650-0 | 1          |
| 8423-072H02    | FDU (2RU, Almond) with 72 pre-installed 50 µm LOMMF SC pigtails and 72 aqua MM duplex adapters  | 80-6113-9651-8 | 1          |
| 8423BK-006H02  | FDU (1RU, Black) with 6 pre-installed 50 µm LOMMF SC pigtails and 6 aqua MM simplex adapters    | 80-6113-9652-6 | 1          |
| 8423BK-012H02  | FDU (1RU, Black) with 12 pre-installed 50 µm LOMMF SC pigtails and 12 aqua MM simplex adapters  | 80-6113-9653-4 | 1          |
| 8423BK-024H02  | FDU (1RU, Black) with 24 pre-installed 50 µm LOMMF SC pigtails and 24 aqua MM simplex adapters  | 80-6113-9654-2 | 1          |
| 8423BK-048H02  | FDU (2RU, Black) with 48 pre-installed 50 µm LOMMF SC pigtails and 48 aqua MM simplex adapters  | 80-6113-9655-9 | 1          |
| 8423BK-072H02  | FDU (2RU, Black) with 72 pre-installed 50 µm LOMMF SC pigtails and 72 aqua MM duplex adapters   | 80-6113-9656-7 | 1          |

### Laser Optimized Multimode 50 µm LC Pre-assembled FDU Ordering Information

| Product Number | Description                                                                                    | 3M ID          | Min. Order |
|----------------|------------------------------------------------------------------------------------------------|----------------|------------|
| 8423-012L02    | FDU (1RU, Almond) with 12 pre-installed 50 µm LOMMF LC pigtails and 12 aqua MM duplex adapters | 80-6113-9657-5 | 1          |
| 8423-024L02    | FDU (1RU, Almond) with 24 pre-installed 50 µm LOMMF LC pigtails and 24 aqua MM duplex adapters | 80-6113-9658-3 | 1          |
| 8423-036L02    | FDU (1RU, Almond) with 36 pre-installed 50 µm LOMMF LC pigtails and 36 aqua MM duplex adapters | 80-6113-9659-1 | 1          |
| 8423-048L02    | FDU (1RU, Almond) with 48 pre-installed 50 µm LOMMF LC pigtails and 48 aqua MM quad adapters   | 80-6113-9660-9 | 1          |
| 8423BK-012L02  | FDU (1RU, Black) with 12 pre-installed 50 µm LOMMF LC pigtails and 12 aqua MM duplex adapters  | 80-6113-9661-7 | 1          |
| 8423BK-024L02  | FDU (1RU, Black) with 24 pre-installed 50 µm LOMMF LC pigtails and 24 aqua MM duplex adapters  | 80-6113-9662-5 | 1          |
| 8423BK-036L02  | FDU (1RU, Black) with 36 pre-installed 50 µm LOMMF LC pigtails and 36 aqua MM duplex adapters  | 80-6113-9663-3 | 1          |
| 8423BK-048L02  | FDU (1RU, Black) with 48 pre-installed 50 µm LOMMF LC pigtails and 48 aqua MM quad adapters    | 80-6113-9664-1 | 1          |

### Laser Optimized Multimode 50 µm ST Pre-assembled FDU Ordering Information

| Product Number | Description                                                                                     | 3M ID          | Min. Order |
|----------------|-------------------------------------------------------------------------------------------------|----------------|------------|
| 8423-006P02    | FDU (1RU, Almond) with 6 pre-installed 50 µm LOMMF ST pigtails and 6 aqua MM simplex adapters   | 80-6113-9665-8 | 1          |
| 8423-012P02    | FDU (1RU, Almond) with 12 pre-installed 50 µm LOMMF ST pigtails and 12 aqua MM simplex adapters | 80-6113-9666-6 | 1          |
| 8423-024P02    | FDU (1RU, Almond) with 24 pre-installed 50 µm LOMMF ST pigtails and 24 aqua MM simplex adapters | 80-6113-9667-4 | 1          |
| 8423-048P02    | FDU (2RU, Almond) with 48 pre-installed 50 µm LOMMF ST pigtails and 48 aqua MM simplex adapters | 80-6113-9668-2 | 1          |
| 8423-072P02    | FDU (2RU, Almond) with 72 pre-installed 50 µm LOMMF ST pigtails and 72 aqua MM duplex adapters  | 80-6113-9669-0 | 1          |
| 8423BK-006P02  | FDU (1RU, Black) with 6 pre-installed 50 µm LOMMF ST pigtails and 6 aqua MM simplex adapters    | 80-6113-9670-8 | 1          |
| 8423BK-012P02  | FDU (1RU, Black) with 12 pre-installed 50 µm LOMMF ST pigtails and 12 aqua MM simplex adapters  | 80-6113-9671-6 | 1          |
| 8423BK-024P02  | FDU (1RU, Black) with 24 pre-installed 50 µm LOMMF ST pigtails and 24 aqua MM simplex adapters  | 80-6113-9672-4 | 1          |
| 8423BK-048P02  | FDU (2RU, Black) with 48 pre-installed 50 µm LOMMF ST pigtails and 48 aqua MM simplex adapters  | 80-6113-9673-2 | 1          |
| 8423BK-072P02  | FDU (2RU, Black) with 72 pre-installed 50 µm LOMMF ST pigtails and 72 aqua MM duplex adapters   | 80-6113-9674-0 | 1          |

### 3M™ Fiber Distribution Unit 8400 Series Adapter Plate Ordering Information



8412-DLM  
8412BK-DLM

12-port Duplex LC MM

80-6113-1450-3  
80-6113-1452-9

1/1



8424-QLM  
8424BK-QLM

24-port Quad LC MM

80-6113-3938-5  
80-6113-9594-0

1/1

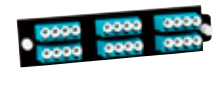


8412-DLMQ  
8412BK-DLMQ

12-port Duplex LC LOMM

80-6113-9605-4  
80-6113-9606-2

1/1



8424-QLMQ  
8424BK-QLMQ

24-port Quad LC LOMM

80-6113-9607-0  
80-6113-9608-8

1/1



8412-DLS  
8412BK-DLS

12-port Duplex LC SM

80-6113-1451-1  
80-6113-1453-7

1/1



8412-DLSA  
8412BK-DLSA

12-port Duplex LC/APC SM

80-6113-9595-7  
80-6113-9596-5

1/1



8424-QLS  
8424BK-QLS

24-port Quad LC SM

80-6113-3939-3  
80-6113-9593-2

1/1



8424-QLSA  
8424BK-QLSA

24-port Quad LC/APC SM

80-6113-9597-3  
80-6113-9598-1

1/1



8406-CM  
8406BK-CM

6-port SC MM

80-6108-6195-9  
80-6113-3522-7

1/1



8408-CM  
8408BK-CM

8-port SC MM

80-6108-6197-5  
80-6113-3530-0

1/1

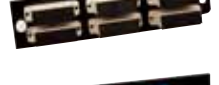


8408-DCM  
8408BK-DCM

8-port Duplex SC MM

80-6109-3496-2  
80-6113-3525-0

1/1



8412-DCM  
8412BK-DCM

12-port Duplex SC MM

80-6108-6194-2  
80-6113-3537-5

1/1

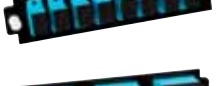


8406-CMQ  
8406BK-CMQ

6-port SC LOMM

80-6113-9599-9  
80-6113-9600-5

1/1



8408-CMQ  
8408BK-CMQ

8-port SC LOMM

80-6113-9601-3  
80-6113-9602-1

1/1



8412-DCMQ  
8412BK-DCMQ

12-port Duplex SC LOMM

80-6113-9603-9  
80-6113-9604-7

1/1



8406-CS  
8406BK-CS

6-port SC SM

80-6108-6196-7  
80-6113-3523-5

1/1



8406-CSA  
8406BK-CSA

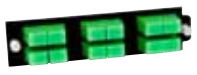
6-port SC/APC SM

80-6108-6212-2  
80-6113-3524-3

1/1



### 3M™ Fiber Distribution Unit 8400 Series Adapter Plate Ordering Information (cont.)

|                                                                                     | Product                  | Description              | 3M ID                            | Packaging/<br>Min. Order |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|--------------------------|
|    | 8408-CSA<br>8408BK-CSA   | 8-port SC/APC SM         | 80-6108-6213-0<br>80-6113-3532-6 | 1/1                      |
|    | 8412-DCS<br>8412BK-DCS   | 12-port Duplex SC SM     | 80-6108-6203-1<br>80-6113-3538-3 | 1/1                      |
|    | 8412-DCSA<br>8412BK-DCSA | 12-port Duplex SC/APC SM | 80-6113-8083-5<br>80-6113-8084-3 | 1/1                      |
|    | 8406-TM<br>8406BK-TM     | 6-port ST MM             | 80-6108-6309-6<br>80-6113-3528-4 | 1/1                      |
|    | 8408-TM<br>8408BK-TM     | 8-port ST MM             | 80-6113-6310-4<br>80-6113-3535-9 | 1/1                      |
|    | 8412-TM<br>8412BK-TM     | 12-port Duplex ST MM     | 80-6108-6119-1<br>80-6113-3539-1 | 1/1                      |
|    | 8406-TS<br>8406BK-TS     | 6-port ST SM             | 80-6113-6085-2<br>80-6113-3529-2 | 1/1                      |
|    | 8408-TS<br>8408BK-TS     | 8-port ST SM             | 80-6108-6087-8<br>80-6113-3536-7 | 1/1                      |
|   | 8412-TS<br>8412BK-TS     | 12-port Duplex ST SM     | 80-6108-6200-7<br>80-6113-3540-9 | 1/1                      |
|  | 8406-FS<br>8406BK-FS     | 6-port FC SM             | 80-6108-6089-4<br>80-6113-3526-8 | 1/1                      |
|  | 8406-FSA<br>8406BK-FSA   | 6-port FC/APC SM         | 80-6109-3472-3<br>80-6113-3527-6 | 1/1                      |
|  | 8408-FS<br>8408BK-FS     | 8-port FC SM             | 80-6108-6091-0<br>80-6113-3534-2 | 1/1                      |
|  | 8499-1W<br>8499BK-1W     | Blank position plate     | 80-6108-6201-5<br>80-6113-3541-7 | 1/1                      |

Note: BK in the product number indicates the black color option

## 3M™ Fiber Distribution Unit 8400 Series Accessories

| Product Number/<br>Packaging Info                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>8423-1UC</b><br/>Pkg.: 1 each<br/>Min. Order: 1 each<br/>3M ID: 80-6113-3810-6</p>          | <p><b>3M™ 1RU Front Jumper Cover (Almond)</b><br/>1RU high front jumper cover to use with 3M Fiber Distribution Unit 8423. Almond color.</p>                                                                                                                                                                                                                                                                                   |
|  <p><b>8423-2UC</b><br/>Pkg.: 1 each<br/>Min. Order: 1 each<br/>3M ID: 80-6113-3837-9</p>          | <p><b>3M™ 2RU Front Jumper Cover (Almond)</b><br/>2RU high front jumper cover to use with 3M Fiber Distribution Unit 8423 and 8423-EXP expansion panel. Almond color.</p>                                                                                                                                                                                                                                                      |
|  <p><b>8423BLK-1UC</b><br/>Pkg.: 1 each<br/>Min. Order: 1 each<br/>3M ID: 80-6113-3811-4</p>       | <p><b>3M™ 1RU Front Jumper Cover (Black)</b><br/>1RU high front jumper cover to use with 3M Fiber Distribution Unit 8423. Black color.</p>                                                                                                                                                                                                                                                                                     |
|  <p><b>8423BK-2UC</b><br/>Pkg.: 1 each<br/>Min. Order: 1 each<br/>3M ID: 80-6113-3838-7</p>        | <p><b>3M™ 2RU Front Jumper Cover (Black)</b><br/>2RU high front jumper cover to use with 3M Fiber Distribution Unit 8423 and 8423-EXP expansion panel. Black color.</p>                                                                                                                                                                                                                                                        |
|  <p><b>8423-BKT</b><br/>Pkg.: 2 bkts per pkg<br/>Min. Order: 1 pkg<br/>3M ID: 80-6109-3699-1</p>   | <p><b>3M™ Rack Mount Kit (Almond)</b><br/>23" rack mount kit for the 3M Fiber Distribution Unit 8423. Almond.</p>                                                                                                                                                                                                                                                                                                              |
|  <p><b>8423BK-BKT</b><br/>Pkg.: 2 bkts per pkg<br/>Min. Order: 1 pkg<br/>3M ID: 80-6113-3543-3</p> | <p><b>3M™ Rack Mount Kit (Black)</b><br/>23" rack mount kit for the 3M Fiber Distribution Unit 8423. Black.</p>                                                                                                                                                                                                                                                                                                                |
|  <p><b>2522-24-SF</b><br/>Pkg.(lbs.): 2 each<br/>Min. Order: 2 each<br/>3M ID: 80-6113-1655-7</p> | <p><b>3M™ Small Fiber Splice Organizer Tray</b><br/>Holds 24 single fusion splices.<br/>3.0 mm x 60 mm single fusion heat shrink sleeve required (2170 or equivalent).</p>                                                                                                                                                                                                                                                     |
|  <p><b>2523-48-SF</b><br/>Pkg: 2 each<br/>Min. Order: 2 each<br/>3M ID: 80-6113-1651-6</p>       | <p><b>3M™ Fiber Splice Organizer Tray</b><br/>Fiber splice organizer tray for 48 fusion splices</p>                                                                                                                                                                                                                                                                                                                            |
|  <p><b>2524</b><br/>Pkg: 3 each<br/>Min. Order: 3 each<br/>3M ID: 80-6106-1688-2</p>             | <p><b>3M™ Fibrlok™ Splice Organizer Tray</b><br/>The 3M™ Fibrlok™ Splice Organizer Tray 2524 holds 24 3M™ Fibrlok™ Splices. Eight buffer tubes are secured with channel snaps so that cable ties are not required. The fibers all enter the tray in one corner eliminating the need for figure 8's in the fiber.</p>                                                                                                           |
|  <p><b>2524-FT</b><br/>Pkg: 3 each<br/>Min. Order: 3 each<br/>3M ID: 80-6106-1687-4</p>          | <p><b>3M™ Fusion Splice Organizer Tray</b><br/>Holds up to 24 fusion splices. Buffer tubes are secured with channel snaps so that cable ties are not required. The fibers all enter the tray in one corner eliminating the need for figure 8's in the fiber. The 3M™ Fiber Distribution Unit 8422-BPL comes with one 2524-FT tray included. 3.0 mm x 60 mm single fusion heat shrink sleeve required (2170 or equivalent).</p> |
|  <p><b>2170</b><br/>Pkg: 50 each<br/>Min. Order: 50 each<br/>3M ID: 80-6102-8138-0</p>           | <p><b>3M™ Fiber Optic Splice Sleeve, 3.0 mm x 60 mm</b><br/>Transparent plastic tube and stainless steel rod designed to prevent stress and protect fusion fiber optic splices in field and factory operations.</p>                                                                                                                                                                                                            |
|  <p><b>2171</b><br/>Pkg: 50 each<br/>Min. Order: 50 each<br/>3M ID: 80-6111-4669-9</p>           | <p><b>3M™ Fiber Optic Splice Sleeve, 2.4 mm x 60 mm</b><br/>Transparent plastic tube and stainless steel rod designed to prevent stress and protect fusion fiber optic splices in field and factory operations.</p>                                                                                                                                                                                                            |

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Note: Product specifications and descriptions in this document are subject to change.

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