The Network of Networks

Flexibility for
Growing Networks

3M

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
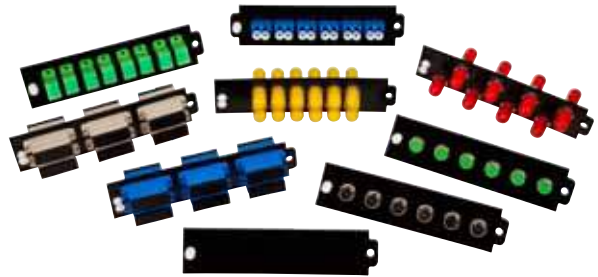- Simple installation; less hardware required

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.

8423BK

8423BK-EXP

2RU

8423BK

8423BK-EXP (2)

3RU

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)

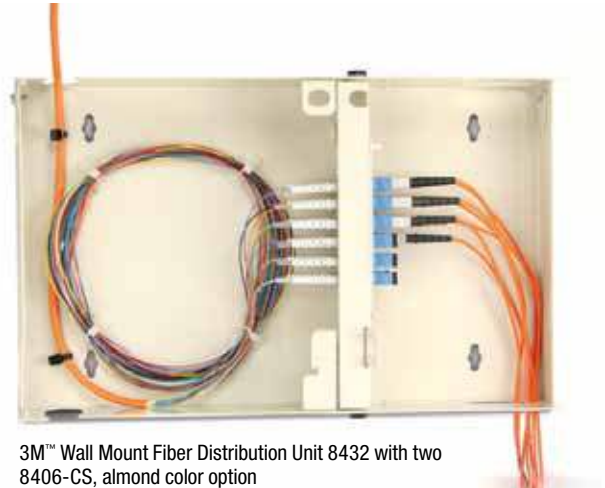3M™ Fiber Distribution Unit 8425BK-BPL (front view)

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.

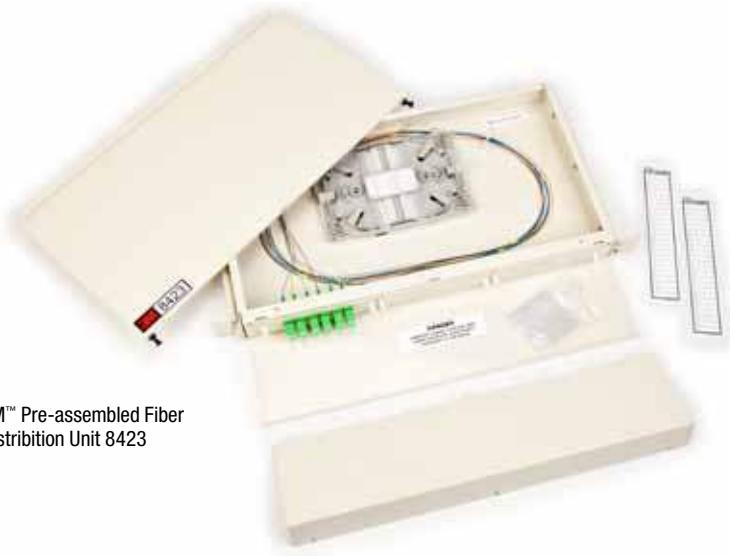## 3M™ Fiber Distribution Units 8400 Series Specifications

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 8423BK	4.1 x 42.5 x 33 (1.6 x 16.7 x 13)	3.6 (8)	Rack Mount 1RU	3	6 8 12 24 (LC)	18 24 36 72 (LC)
8423-EXP 8423BK-EXP	4.1 x 42.5 x 23 (1.6 x 16.7 x 9)	1.4 (3)	Rack Mount 1RU	3	6 8 12 24 (LC)	18 24 36 72 (LC)
8425 8425BK	17.7 x 43.1 x 30.4 (7 x 17 x 12)	8.1 (18)	Rack Mount 4RU	12	6 8 12 24 (LC)	72 96 144 288
8425-BPL 8425BK-BPL	17.7 x 43.1 x 31.8 (7 x 17 x 12.5)	9.2 (20.5)	Rack Mount 4RU	12	6 8 12 24 (LC)	72 96 144 288
8432 8432BK	23.4 x 38.6 x 8.1 (9.2 x 15.2 x 3.2)	4.1 (9)	Wall Mount	2	6 8 12 24 (LC)	12 16 24 48
8434 8434BK	28.5 x 38.6 x 8.1 (11.2 x 15.2 x 3.2)	4.5 (10)	Wall Mount	4	6 8 12 24 (LC)	24 32 48 96
8436 8436BK	45.7 x 38.6 x 8.1 (18.0 x 15.2 x 3.2)	6.8 (15)	Wall Mount	6	6 8 12 24 (LC)	36 48 72 144

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
FDU Rack Mount Boxes			
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
FDU Wall Mount Boxes			
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 Distribition 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

Product	Description	3M ID	Packaging/Min. Order
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/ Min. Order
8408-CSA 8408BK-CSA	8-port SC/APC SM	80-6108-6213-0 80-6113-3532-6	1/1
8412-DCS 8412BK-DCS	12-port Duplex SC SM	80-6108-6203-1 80-6113-3538-3	1/1
8412-DCSA 8412BK-DCSA	12-port Duplex SC/APC SM	80-6113-8083-5 80-6113-8084-3	1/1
8406-TM 8406BK-TM	6-port ST MM	80-6108-6309-6 80-6113-3528-4	1/1
8408-TM 8408BK-TM	8-port ST MM	80-6113-6310-4 80-6113-3535-9	1/1
8412-TM 8412BK-TM	12-port Duplex ST MM	80-6108-6119-1 80-6113-3539-1	1/1
8406-TS 8406BK-TS	6-port ST SM	80-6113-6085-2 80-6113-3529-2	1/1
8408-TS 8408BK-TS	8-port ST SM	80-6108-6087-8 80-6113-3536-7	1/1
8412-TS 8412BK-TS	12-port Duplex ST SM	80-6108-6200-7 80-6113-3540-9	1/1
8406-FS 8406BK-FS	6-port FC SM	80-6108-6089-4 80-6113-3526-8	1/1
8406-FSA 8406BK-FSA	6-port FC/APC SM	80-6109-3472-3 80-6113-3527-6	1/1
8408-FS 8408BK-FS	8-port FC SM	80-6108-6091-0 80-6113-3534-2	1/1
8499-1W 8499BK-1W	Blank position plate	80-6108-6201-5 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/ Packaging Info	Description
8423-1UC Pkg.: 1 each Min. Order: 1 each 3M ID: 80-6113-3810-6	**3M™ 1RU Front Jumper Cover (Almond)** 1RU high front jumper cover to use with 3M Fiber Distribution Unit 8423. Almond color.
8423-2UC Pkg.: 1 each Min. Order: 1 each 3M ID: 80-6113-3837-9	**3M™ 2RU Front Jumper Cover (Almond)** 2RU high front jumper cover to use with 3M Fiber Distribution Unit 8423 and 8423-EXP expansion panel. Almond color.
8423BLK-1UC Pkg.: 1 each Min. Order: 1 each 3M ID: 80-6113-3811-4	**3M™ 1RU Front Jumper Cover (Black)** 1RU high front jumper cover to use with 3M Fiber Distribution Unit 8423. Black color.
8423BK-2UC Pkg.: 1 each Min. Order: 1 each 3M ID: 80-6113-3838-7	**3M™ 2RU Front Jumper Cover (Black)** 2RU high front jumper cover to use with 3M Fiber Distribution Unit 8423 and 8423-EXP expansion panel. Black color.
8423-BKT Pkg.: 2 bkts per pkg Min. Order: 1 pkg 3M ID: 80-6109-3699-1	**3M™ Rack Mount Kit (Almond)** 23" rack mount kit for the 3M Fiber Distribution Unit 8423. Almond.
8423BK-BKT Pkg.: 2 bkts per pkg Min. Order: 1 pkg 3M ID: 80-6113-3543-3	**3M™ Rack Mount Kit (Black)** 23" rack mount kit for the 3M Fiber Distribution Unit 8423. Black.
2522-24-SF Pkg.(lbs.): 2 each Min. Order: 2 each 3M ID: 80-6113-1655-7	**3M™ Small Fiber Splice Organizer Tray** Holds 24 single fusion splices. 3.0 mm x 60 mm single fusion heat shrink sleeve required (2170 or equivalent).
2523-48-SF Pkg: 2 each Min. Order: 2 each 3M ID: 80-6113-1651-6	**3M™ Fiber Splice Organizer Tray** Fiber splice organizer tray for 48 fusion splices
2524 Pkg: 3 each Min. Order: 3 each 3M ID: 80-6106-1688-2	**3M™ Fibrlok™ Splice Organizer Tray** 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.
2524-FT Pkg: 3 each Min. Order: 3 each 3M ID: 80-6106-1687-4	**3M™ Fusion Splice Organizer Tray** 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).
2170 Pkg: 50 each Min. Order: 50 each 3M ID: 80-6102-8138-0	**3M™ Fiber Optic Splice Sleeve, 3.0 mm x 60 mm** Transparent plastic tube and stainless steel rod designed to prevent stress and protect fusion fiber optic splices in field and factory operations.
2171 Pkg: 50 each Min. Order: 50 each 3M ID: 80-6111-4669-9	**3M™ Fiber Optic Splice Sleeve, 2.4 mm x 60 mm** Transparent plastic tube and stainless steel rod designed to prevent stress and protect fusion fiber optic splices in field and factory operations.

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

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