• FIBER MANAGEMENT

The Amphenol Fiber Management Systems product line is comprised of a complete series of wall and rack mounted enclosures that are designed to be used for the distribution and management of fiber optic cables. The product offering includes a variety of enclosures for patching, splicing, distribution, storing, splitting, and coupling of fiber optic signals for both single mode and multimode cables.

Patch Panels

Amphenol 948 Series Patch Panels provide a convenient point for patching and storing fiber optic cables. A full range of products are available for termination of backbone cables and horizontal cables at cross-connects and for interconnection between fiber optic distribution and equipment jumper cables.

Coupler Panels

Amphenol 948 Series Rack Mount Coupler Panels incorporate fiber optic couplers (optical splitters and wavelength division multiplexers) at the fiber distribution frame. These panels are used in fiber optic networks to increase System capacity.

Storage Panels

Amphenol 948 Series Rack Mount Storage Panels provide ample and organized slack storage of fiber optic cables. These panels reduce the concerns involved in maintaining and upgrading the network.

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Splice Panels

Amphenol 948 Series Splice Panels are rack mounted panels which provide a convenient point for on rack storing and protecting of fiber optic splices. These panels are typically used at building entrances for transition splicing between the outdoor cables and indoor pigtails. They are typically used in conjunction with the 948 Series Patch Panel enclosures.

Distribution Panels

Amphenol 948 Series Rack and Wall Mount Distribution Panels combine all the features of a patch panel and a splice panel into one enclosure. They provide a protective area for patching, splicing and storing fiber optic cables. Distribution panels are typically used at building entrances, telecom closets, customer premise applications, or in equipment rooms for termination of inter-building backbone cables.

The Right Fit

Panels requiring adapters are preloaded with Amphenol's SC, ST or FC adapters to reduce labor costs during installation.

Panels can be pre-loaded with Amphenol pigtail cable assemblies to further reduce labor costs during field installation.

A single part number is used to specify semi-loaded or fully loaded enclosures to simplify the ordering process.

Rack mount panels have removable doors for increased access during installation and maintenance.

Panels provide ample room for storage of fiber slack, while maintaining bend radius protection for the stored fibers.

All enclosures include mounting hardware, installation instructions, laser warning labels, cable ties, and cable routing designation cards.



PRODUCT TYPE

1RU Fiber Rack Mount Distribution Panel	87
19" 1 Rack Unit 144 fiber Cassette	
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Density and Scalability for the Future

1RU Fiber Rack Mount Distribution Panel

1RU Rack Mount Distribution Panels are designed to incorporate both patching and splicing within the same enclosure.

Mounts are available in 19 or 23 racks.

Amphenol's 1RU Fiber Rack Mount Distribution Panels fully enclose the pigtails (usually routed between separate panels), providing greater protection and shorter length cables.

The enclosure provides ample fiber optic cable storage.

1RU Fiber Rack Mount Distribution Panels can accommodate from 6- to 72-fiber adapter plates or cassettes utilizing LC, MPO, SC, FC or ST adapters.



Features and Benefits

Available Empty

Available with a variety of lengths of pigtails

Available in LGX or High Density

Available Wired with Singlemode, OM3 or OM4

Adapter plates or Cassettes

Available in Black or Beige

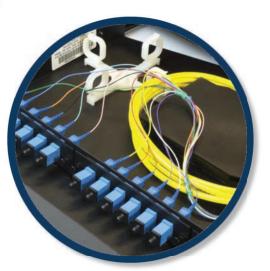
Specifications

6 to 72 Fiber/conductor capacity Reconfigurable layout LGX or High Density Form Factor Singlemode or Multimode wired Splice or Patch only

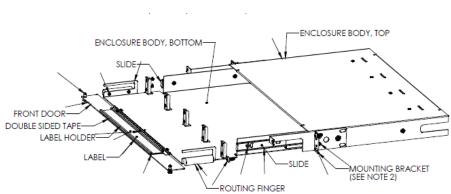
Applications

Data Centers MAN and WAN SAN and Data Centers LAN IT/Datacom

Industry Compliance



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Ordering Information

Part Number	Description
948-112DD-22B03	PANEL, RACK MOUNT DIST FC/UPC 12F WITH 3 METER PIGTAILS AND SPLICE
948-1A2DA-22L03	PANEL, RACK MOUNT SC/UPC 12 FIBER WITH 3 METER PIGTAILS AND SPLICE
948-1A2DM-22D03	PANEL, RACK MOUNT DIST 6 LC(D) 12F WITH 3 METER S/M PIGTAILS AND SPLICE
948-1A2DQ-23L03	PANEL, RACK MOUNT SC/APC 12 FIBER WITH 3 METER PIGTAILS AND SPLICE
948-99999-10207	PANEL, RACK MOUNT DIST, LGX W/ DRAWER - EMPTY
948-99999-10208	PANEL 1RU 19" 3 LGX CUTOUTS OPEN REAR
948-99999-10217	PANEL RACK PATCH 1RU 3 LGX PORTS EMPTY BLACK
948-99999-10235	PANEL 1RACK UNIT HIGH DENSITY W/ DRAWER EMPTY
968-302LY-00A00	PANEL, 1RU FRONT PLATE AND LANDING W/ CABLE MANAGEMENT LGX CUT- OUTS

19" 1 Rack Unit 144 fiber Cassette

Amphenol's High Density, 1 Rack Unit, 144 Fiber prewired cassette allows for a clean, efficient installation.

The 1RU Cassette is factory terminated and fully tested to eliminate hours of build time.

The 1RU Cassette has 36 LC Quad Adapters prewired to 12 MPO Adapters in Singlemode, OM3 or OM4 fiber.

The 1RU Cassettes have LC to MPO adapters in solid, sturdy 16 gauge steel to protect assembly.

An angled back for streamlined routing of trunk cables is available separately.



Features and Benefits

Accepts industry standard MPO/MTP® interfaces

Singlemode and Multimode versions

Amphenol LC Connectors are mechanically and optically intermateable with industry standard LC connectors and adapters and conform to TIA/EIA, IEC, and Telcordia specifications

Custom configurations available upon request

Available Wired with Singlemode, OM3 or OM4

Specifications

144 Fibers in 1 Rack Unit

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

Singlemode or Multimode wired

Applications

Data Communications

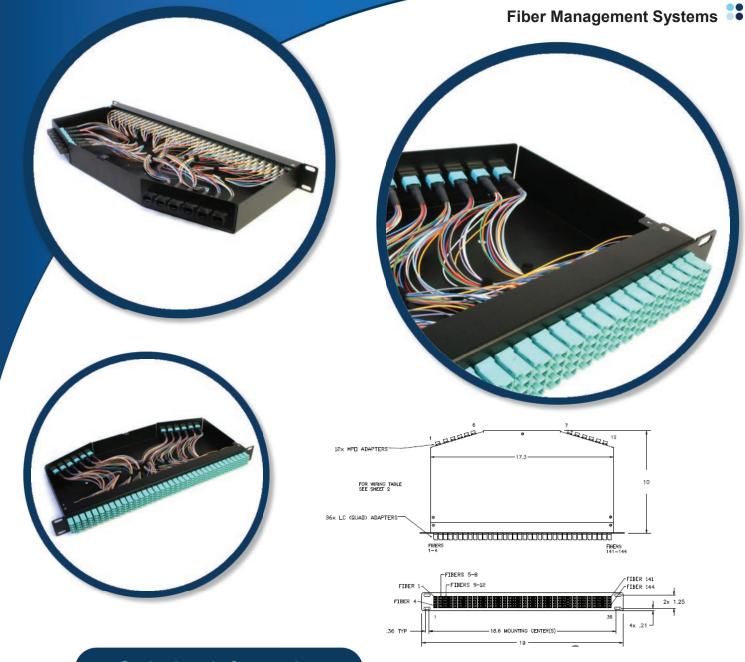
Data Centers

LAN

SAN and Data Centers

IT/Datacom

Industry Compliance



Part Number	Description
948-99999-10123	PANEL, RP, 144P LC, S/M ADAPTERS
*Please call customer servi	ce for additional configurations

Amphenol Fiber Optic Products

www.amphenol-fiberoptics.com

2RU Fiber Rack Mount Distribution Panel

Amphenol's 2RU Rack Mount Distribution Panels are designed to incorporate both patching and splicing within the same enclosure.

Mounts are available in 19 or 23 cabinets with cable management fingers front and rear.

The 2RU Rack Mount Distribution Panels fully enclose the pigtails (usually routed between separate panels), providing greater protection and shorter length cables.

The enclosure provides ample fiber optic cable storage.

2RU Rack Mount Distribution Panels can accommodate from 6 to 72 fibers with optional no tool required adapter plates, populated with a variety of adapters, splice and wide range of pigtails.

Features and Benefits

Available Wired with Singlemode, OM3 or OM4

Available Empty

Available in Black or Beige

Available in Singlemode, angled Singlemode, and Multimode versions

Specifications

111 111

Reconfigurable layout

2 to 24 fiber/conductor capacity

Reconfigurable layout

Singlemode or Multimode wired

Applications

Data Centers MAN and WAN SAN and Data Centers LAN CATV

Industry Compliance



Part Number	Description	
948-99999-10212	PANEL, RACK PATCH, 2RU 6 LGX PORTS, EMPTY	
948-99999-10244	PANEL, HIGH DENSITY 2RU 8 LGX PORTS, EMPTY	

19" Rack Mount Cassette, 2RU

Amphenol's Ultra-High Density, 2 Rack Unit Cassette is factory terminated and fully tested, ready to install with 288 fibers for LC, or 144 Fibers for SC interconnect.

The 2RU Cassette has seventy-two LC Quad adapters or seventy-two SC Duplex adapters, optimally spaced on an angled front panel, to significantly improve ease of installation.

The 2RU high density cassette manages 144/288 Fibers in a neat, pre-wired, pre-tested unit.

The angled back panel allows for optimally routed trunk cables.

The 2RU high density cassette manages 288 fibers in a neat, pre-wired, easily installed unit that saves hours of installation time.

Features and Benefits

Available Wired with Singlemode, OM3 or OM4

Can allow for future upgrades and reconfiguration

Easy to Install

Singlemode and Multimode versions

Specifications

288 Fibers in 2 Rack Unit Contained Panel for LC Adapters

144 Fibers in 2 Rack Unit Contained Panel for SC adapters

Factory assembled and tested

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

Singlemode or Multimode wired

Applications

IT/Datacom

Data Centers

SAN and Data Centers

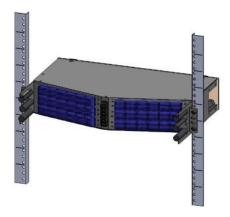
Data Communications

Wireless

Industry Compliance







Part Number	Description
948-972GY-XXXXX	CONFIGURATIONS UPON REQUEST

*Please call customer service for additional configurations

www.amphenol-fiberoptics.com

3RU Fiber Rack Mount Distribution Panel

3RU Rack Mount Distribution Panels are designed to incorporate both patching and splicing within the same enclosure.

Amphenol's 3RU Rack Mount Distribution Panels are easily installed panels for clean, quick assembly. Mounts available in 19 or 23 racks.

3RU Rack Mount Distribution Panels fully enclose the pigtails (usually routed between separate panels), providing greater protection and shorter length cables. The enclosure provides ample fiber optic cable storage.

The 3RU Rack Mount Distribution Panels can accommodate from 6 to 72 fibers with optional no tool required adapter plates, splice trays and pre-installed pigtails or jumpers.



Features and Benefits

Available Wired with Singlemode, OM3 or OM4

Available in Black or Beige

Adapter plates or Cassettes

Available with a variety of lengths of pigtails

Specifications

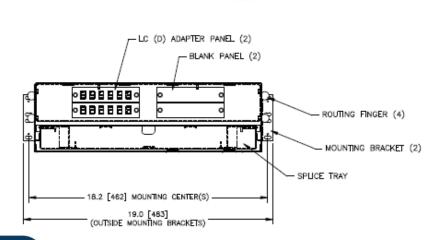
6 to 24 fiber/conductor capacity Reconfigurable layout Singlemode or Multimode wired

Applications

Data Communications MAN and WAN SAN and Data Centers LAN

Industry Compliance





Part Number	Description
948-732SY-22D03	PANEL, RACK SPLICE 3RU 96F 24 S/M LC(Q) 3 METER PIGTAILS, SPLICE
948-212DA-20A00	PANEL, RACK DIST 24 SC S/M ADAPTERS SPLICE NO PIGTAILS
948-212DA-22B03	PANEL, RACK DIST 24 SC/UPC ADAPTERS 900µm 3 M PIGTAILS AND SPLICE
948-212DA-22D03	PANEL, RACK DIST 24 SC/UPC ADAPTERS 12F, 3 M PIGTAILS AND SPLICE
948-212DG-10A00	PANEL, RACK DIST 24 MM SC ADAPTERS AND SPLICE, NO PIGTAILS
948-212DM-22D03	PANEL, RACK DIST 12 LC(D) ADAPTERS, (2) 12F UC/UPC 3M PIGTAILS AND SPLICE
948-212DQ-22D03	PANEL, RACK DIST 12 SC/APC ADAPTERS, (2) 12F UC/UPC 3M PIGTAILS AND SPLICE
948-602DY-10A00	PANEL, RACK DIST 72 PORT, EMPTY

4RU Fiber Rack Mount Distribution Panel

4RU Rack Mount Distribution Panels are designed to incorporate both patching and splicing within the same enclosure.

Available with adapters preinstalled or cassettes, the 4RU Fiber Rack Mount Distribution Panel offers lower cost options than individual units. Mounts are available in 19 or 23 racks.

Amphenol's 4RU Fiber Rack Mount Distribution Panels have horizontally mounted adapter packs or prewired, factory tested cassettes for easy access for growth or ex change.



Panels are available with document cards for readily accessible port information. The 4RU Fiber Rack Mount Distribution Panels can accommodate from 6 to 288 fibers with optional LGX or high density adapter plates or cassettes with LC, MPO, SC, FC or ST adapters.

Features and Benefits

Adapter plates or Cassettes Available in LGX or High Density Available with a variety of lengths of pigtails Available Wired with Singlemode, OM3 or OM4 Available in Black or Beige

Specifications

6 to 384 fiber/conductor capacity

Reconfigurable layout

LGX or High Density Form Factor

Singlemode or Multimode wired

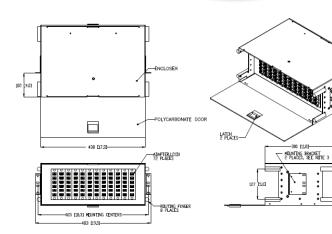
Splice or Patch only

Applications

Data Communications MAN and WAN SAN and Data Centers LAN CATV

Industry Compliance





Part Number	Description
948-99999-10236	PANEL, 4RU HD 16 HIGH DENSITY SLOTS EMPTY BLACK
948-99999-10213	PANEL 4RU 12 LGX PORTS EMPTY BLACK
948-872DM-00A00	PANEL, RACK PATCH 4RU BLACK 72 LC(D) BLUE S/M ADAPTERS NO PIGTAILS
948-972FY-02D03	PANEL, RACK PATCH 4RU 288F W/ 72 S/M LC(Q) ADAPTERS 3M 12F

*Please call customer service for additional configurations

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6RU Fiber Rack Mount Distribution Panel

Amphenol's 6RU Rack Mount Distribution Panels are designed to incorporate both patching and splicing within the same enclosure. No tool required adapter packs or cassettes are available.

Blank fill plate options allow you to future-proof your site.

The 6RU Rack Mount Distribution Panels fully enclose the pigtails (usually routed between separate panels), providing greater protection and shorter length cables.

The enclosure provides ample fiber optic cable storage.

The 6RU Rack Mount Distribution Panels can accommodate splicing of 6 to 144 fibers with adapters available in LC, MPO, SC, FC or ST in standard or angled polished.



Features and Benefits

Available in LGX or High Density

Available in Black or Beige

Available Wired with Singlemode, OM3 or OM4

Available with a variety of lengths of pigtails

Specifications

6 to 384 fiber/conductor capacity

LGX or High Density Form Factor

Singlemode or Multimode wired

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

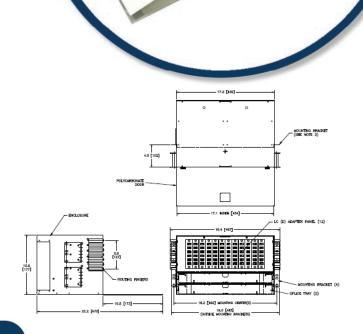
Applications

CATV Data Communications IT/Datacom

SAN and Data Centers

Industry Compliance





Part Number	Description
948-602DY-00A00	PANEL, 6RU W/ 2 SPLICE DRAWERS, EMPTY BEIGE
948-402DY-00A00	PANEL, RACK DIST 48 PORT WITH SPLICE DRAWERS, EMPTY
948-412DA-22B03	PANEL, RACK DIST W/ 48 S/M SC ADAPT 3M PIGTAILS AND SPLICE
948-612DA-10A00	PANEL, RACK DIST 72 SC ADAPT AND SPLICE, NO PIGTAILS
948-612DA-12C03	PANEL, RACK DIST W/ 72 S/M SC ADAPT, SC/UPC 3M PIGTAILS AND SPLICE
948-812DM-22D03	PANEL, RACK DIST W/ 72 LC(D) 144F S/M ADAPT 12F 3M PIGTAILS AND SPLICE

*Please call customer service for additional configurations

Amphenol Fiber Optic Products

www.amphenol-fiberoptics.com

Wall Mount 12 Port Distribution Panel

Wall Mount Distribution Panels are designed to be compact as well as provide ample fiber optic cable routing, organization and storage.

The Wall Mount Distribution panels are designed for ease of installation with optional splice trays installed as well as optional pigtail cables.

Amphenol's wall panels accommodate from 6 to 24 fiber count. They come factory installed and tested with LC, SC, MPO, FC or ST adapters.

Optional pigtails in Singlemode or Multimode fiber as well as optional splice trays allow for a single orderable part number or base parts and upgrade options.



Features and Benefits

Available Empty

Available Wired with Singlemode, OM3 or OM4

Can be configured for installation type or site by site requirements

Available with a variety of lengths of pigtails

Available in a wide variety of connector types, cable designs, and lengths

Customizable: Entire systems are designed to meet the client's individual specifications

Available in Singlemode, angled Singlemode, and Multimode versions

Applications

Data Centers IT/Datacom SAN and Data Centers LAN

Specifications

6 to 24 fiber/conductor capacity

Reconfigurable layout

Factory assembled and tested

Singlemode or Multimode wired

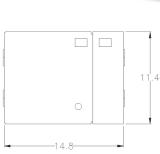
Durable heavy gauge steel powder coated for protection

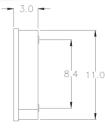
Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

Industry Compliance











Part Number	Description
948-1A1D2-12B05	PANEL, WALL MOUNT DIST. 12 PORT
948-1M1D2-12B05	PANEL, WALL MOUNT, 12 PORT
948-1A1D2-22B05	PANEL, WALL MOUNT, 12 PORT
948-1M1D2-12D05	PANEL, WALL MOUNT, 12 PORT
948-1M1D2-12C05	PANEL, WALL MOUNT, 12 PORT

*Please call customer service for additional configurations

www.amphenol-fiberoptics.com

Wall Mount 24 Port Distribution Panel

Wall Mount Distribution Panels provide an excellent enclosure for patching, splicing and storing fiber optic terminations.

Available in a variety of sizes to accommodate from 6 to 48 fibers with multiple access points for fiber. Doors are removable for easy access of installation.

Amphenol's Wall Mount Distribution Panels are designed to be compact, yet provide ample fiber optic cable routing, organization, and storage. Amphenol's wall panels accommodate from 6 to 48 fiber count.



Factory installed and tested with LC, SC, MPO, FC or ST adapters.

Optional pigtails in Singlemode or Multimode fiber as well as optional splice trays allow for a single orderable part number or base parts and upgrade options.

Features and Benefits

Available with a variety of lengths of pigtails

Available Wired with Singlemode, OM3 or OM4

Available in 4, 8, 12 or 24 fiber configurations

Singlemode and Multimode versions

Specifications

Singlemode or Multimode wired

Factory assembled and tested

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

6 to 48 fiber/conductor capacity

Reconfigurable layout

Applications

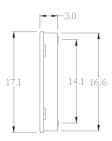
Data Communications MAN and WAN SAN and Data Centers LAN CATV

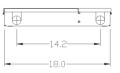
Industry Compliance



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Part Number	Description
948-2A1D2-12B05	PANEL, WALL MOUNT 24 PORT
948-2M1D2-12B05	PANEL, WALL MOUNT 24 PORT
948-2A1D2-12E05	PANEL, WALL MOUNT 24 PORT

HD Fiber Management Patch Panels

Modular High Density Fiber Management Patch Panels are designed with the highest density in the market.

Available with vertically mountable no tool adapter packs with LC, MPO, SC, FC or ST adapters. Mounts in 19 or 23 racks.

Amphenol's Modular High Density Fiber Management Patch Panels are designed to be compact yet allow easy access, upgrade and swap out adapter styles.

These panels are available in front plate, front plate with cable management plate, short or long box options.

Modular High Density Fiber Management Patch Panels can have up to 96 Fibers per Rack Unit, up to 384 fibers per 4 Rack Units.

Custom options are available upon request.

Features and Benefits

Available with a variety of lengths of pigtails

Available Empty

Available in LGX or High Density

Available in Black or Beige

Available Wired with Singlemode, OM3 or OM4

Specifications

Singlemode or Multimode wired

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

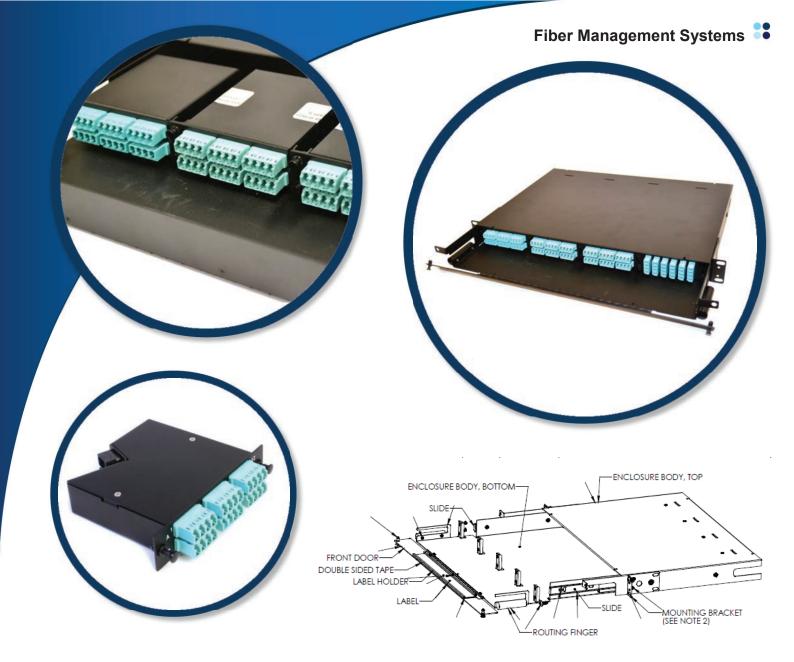
6 to 384 fiber/conductor capacity

Reconfigurable layout

Applications

MAN and WAN SAN and Data Centers LAN

Industry Compliance



Part Number	Description
948-99999-10235	PANEL, HD, 1RU, W/DRAWER, EMPTY, BLACK
948-99999-10244	PANEL, HD, 2RU, W/DRAWER, EMPTY, BLACK
948-99999-10236	PANEL, HD, 4RU, W/DRAWER, EMPTY, BLACK

*Please call customer service for additional configurations

Amphenol Fiber Optic Products

www.amphenol-fiberoptics.com

Cassette Fiber Management Modules

Amphenol cassettes are available in LGX or High Density form factor.

These cassettes are also available in a full range of fiber types: Singlemode, OM3 or OM4 Multimode, standard and angled polished.

Amphenol cassettes are a factory assembled and fully tested rapid deployment accessory. No tools are required for installation.

Amphenol's cassettes can accommodate up to 24 fibers per cassette, with a variety of adapter options front and rear.



Features and Benefits

No tools required for installation

Available in Singlemode, angled Singlemode, and Multimode versions

Available in LC, FC, and SC configurations

Available in Black or Beige

Available Wired with Singlemode, OM3 or OM4

Available in 4, 8, 12 or 24 fiber configurations

Available in LGX or High Density

Specifications

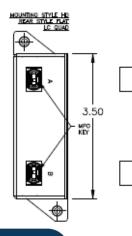
2 to 24 fiber/conductor capacity LGX or High Density Form Factor Factory assembled and tested Custom mounting options available

Applications

Data Communications MAN and WAN SAN and Data Centers LAN Data Centers

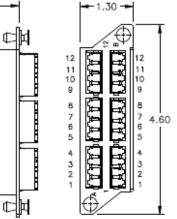
Industry Compliance





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(2 PLACES)



Ordering Information

Part Number	Description
948-100-5242-52	MODULE, MPO(M)-LC/PC, 24 FIBER, 50µm OM3, ANGLED REAR PANEL CONFIGURATION
948-100-5242-51	MODULE, MPO(M)-LC/PC, 24 FIBER, 50µm OM3, FLAT REAR PANEL CONFIGURATION

Adapter Packs

Amphenol's Adapter Packs are modular, allowing for you to future-proof your design. Adapter packs are available in LGX or high density form factors.

Adapter Packs are also available in 6 to 24 fiber count options.

Adapter Packs are available in LC Duplex, LC Quad, MPO, SC, FC, or ST. No tools required for installation or exchange.

Adapter Packs offer quick replacement for new connector site.



Features and Benefits

Available in LGX or High Density

Available in Black or Beige

Pass-Thru Design is suitable for many different connector types

Field Installable

Specifications

2 to 24 fiber/conductor capacity

LGX or High Density Form Factor

Durable heavy gauge steel powder coated for protection

Metal housing with 1.5mm thick steel

UL 94V0 rated front mounting on UTP panel

Applications

Data Communications

MAN and WAN

SAN and Data Centers

LAN

Data Centers

Industry Compliance



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DUST CAP NOT SHOWN TO SHOW MPO					Ū	

Ordering Information

Part Number	Description
948-100-2100	BLANK COVER PLATE, BEIGE - NO ADAPTERS
948-100-2101	ADAPTER PACK, MULTI MODE BEIGE LC ADAPTERS, BEIGE PANEL
948-100-2101-B	ADAPTER PACK, MULTI MODE BEIGE LC ADAPTERS, BLACK PANEL
948-100-2102	ADAPTER PACK, SINGLE MODE CERAMIC BLUE SC ADAPTERS, BLACK PANEL
948-100-2103	ADAPTER PACK, SINGLE MODE CERAMIC BLACK SC/PC ADAPTERS, BLACK PANEL
948-100-2104	ADAPTER PACK, SINGLE MODE CERAMIC GREEN SC ADAPTERS, BLACK PANEL
948-100-2111	ADAPTER PACK, SINGLE MODE BLUE SC ADAPTERS, BEIGE PANEL
948-100-2112	ADAPTER PACK, SINGLE MODE CERAMIC FC ADAPTERS, BEIGE PANEL
948-100-2113	ADAPTER PACK, SINGLE MODE CERAMIC SLEEVE, FC ADAPTERS, BEIGE PANEL

Splice Tray

Amphenol offers a great, low cost, small footprint splice tray offering.

Thermoplastic material, RoHS compliant.

Available in 12 or 24 fiber options.

100mm Wide x 10mm high x 140 mm deep.

Each 140 mm tray can accommodate up to 12 fusion splices wit heat shrink. It allows the stacking of multiple trays to increase capacity.



Features and Benefits

Available Empty

Can allow for future upgrades and reconfiguration

Fiber count from 2 to 12

Small form factor size enables increased density

Specifications

2 to 24 fiber/conductor capacity

Operating Temperature: -40 to +75°C

Custom mounting options available

Applications

Data Communicatio Data Centers

Industry Compliance

UL Listed enclosure

Part	Number	Description
48-274	11-P	LID, SPLICE TRAY, 100 X 140mm-BULK PACK
948-23	370	BRACKET, SPLICE TRAY
948-27	741	LID, SPLICE TRAY, 100 X 140mm

