

# iCONEC® Data Center Solutions

## ▶ iCONEC® Pre-terminated Trunk Cable

MPO/MTP Pre-terminated Trunk Cable

## ▶ iCONEC® Fiber Optic Distribution System

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## ▶ iCONEC® Pre-terminated Patch Cord and Branching Patch Cord

MPO/MTP Pre-terminated Patch Cord

MPO/MTP Branching Patch Cord



# iCONEC® Pre-terminated Trunk Cable

## MPO/MTP Pre-terminated Trunk Cable

The pre-terminated optical cable system, a pre-terminated fiber optic connection system, is designed to meet the growing demand for high bandwidth and high density in data center networks and enterprise building applications. It provides more optimized system performance for factories in pre-terminated solutions, and ensures the compatibility and quality stability of components. The MTP pre-terminated optical cable system makes it possible to greatly simplify the configuration process of fiber networks and minimize installation time and costs in space-constrained environments, especially in data center applications.



### Applications

Data centers are interconnected among EDA, HDA, IDA and MDA.

### Characteristics

- Factory pre-termination, 100% tested to leave the factory
- Flexible polarity selection (Type A, Type B and Type C)
- With pulling hooks for easy installation, each fiber optic cable is labeled for product manufacturing and quality traceability.
- OM3, OM4 and OM5 cables are designed to withstand slight bends, which can greatly alleviate the system operation interruption and degradation caused by bending problems.
- Fast configuration and networking to reduce on-site installation time.
- Rapid upgrading to support parallel transmission system applications
- LSZH, OFNR and OFNP materials are available for outer sheath
- Insertion loss:  $IL \leq 0.25$  (multi-mode);  $IL \leq 0.35$  (single-mode)

### Complied Standards

- Comply with TIA/EIA-568-C3, ISO/IEC11801
- Connectors are compliant with IEC-61754-7 and TIA/EIA-604-5 (FOCIS 5) standard definitions.

## Optical Fiber Performance

Fiber Type	Core/Cladding Dia. (μm)	Bandwidth (MHZ.km)	Wavelength (nm)	Max. Attenuation (dB/km)
G.657.A2	9/125	NA	1310/1550	0.35/0.21
BI OM3	50/125	2000	850/1300	2.4/0.6
BI OM4	50/125	4700	850/1300	2.4/0.6
BI OM5	50/125	4700	850/1300	2.4/0.6

## Connector Performance

Fiber Type	IL (dB)	RL (dB)
MTP Multi-Mode High-Accuracy	≤0.25	-28
MPO Multi-Mode High-Accuracy	≤0.30	-25
MTP Singlei-Mode High-Accuracy	≤0.35	-65
MTP Multi-Mode General-Accuracy	≤0.35	-28
MPO Multi-Mode General-Accuracy	≤0.35	-25
MTP Singlei-Mode General-Accuracy	≤0.60	-65

## Mechanical Performance

Fibre Count	Fan-out Length (cm)	Pulling Hook Max. Tension (N)	Pulling Hook Max. Impact (N/cm)	Static Bending Radius (mm)	Dynamic Bending Radius (mm)	Operation Temperature (°C)	Installation Temperature (°C)	Transport and Storage Temperature (°C)	Package
12	60-100	400	100	10D	20D	-20~+60	-5~+50	-25~+75	PE bag for L<50m Reel packag- ing for L≥50m
24	60-100	450	100	10D	20D	-20~+60	-5~+50	-25~+75	
48	60-100	450	100	10D	20D	-20~+60	-5~+50	-25~+75	
72	60-100	450	100	10D	20D	-20~+60	-5~+50	-25~+75	
96	60-100	450	100	10D	20D	-20~+60	-5~+50	-25~+75	
144	60-100	450	100	10D	20D	-20~+60	-5~+50	-25~+75	

## 产品型号

Product Model	Product Description
iCONEC-DTHBTTFFE12H-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, G657A2, 10m.
iCONEC-DTHBTTFFE12R-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, G657A2, 10m.
iCONEC-DTHBTTFFE12P-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, G657A2, 10m.

iCONEC-DTHBTTFFA12H-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, OM3, 10m.
iCONEC-DTHBTTFFA12R-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-Core, OFNR, Type B, OM3, 10m.
iCONEC-DTHBTTFFA12P-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, OM3, 10m.
iCONEC-DTHBTTFFN12H-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, OM4, 10m.
iCONEC-DTHBTTFFN12R-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, OM4, 10m.
iCONEC-DTHBTTFFN12P-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, OM4, 10m.
iCONEC-DTHBPTFFE12H-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, G657A2, 10m.
iCONEC-DTHBPTFFE12R-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, G657A2, 10m.
iCONEC-DTHBPTFFE12P-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, G657A2, 10m.
iCONEC-DTHBPTFFA12H-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, OM3, 10m.
iCONEC-DTHBPTFFA12R-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, OM3, 10m.
iCONEC-DTHBPTFFA12P-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, OM3, 10m.
iCONEC-DTHBPTFFN12H-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, OM4, 10m.
iCONEC-DTHBPTFFN12R-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, OM4, 10m.
iCONEC-DTHBPTFFN12P-0100	MPO Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, OM4, 10m.

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

## iCONEC® Fiber Optic Distribution System

### UDF High-density Fiber Optic Patch Panel

The UDF series high-density fiber optic patch panel, based on 8-core and 12-core pre-terminated backbone connections, adopts modular design as a whole, which can be configured with different capacities according to customers' actual needs. It can reach 144-core, 192-core and 432-core cabling density in 1U of space. Besides, the space density can be smoothly upgraded while upgrading the bandwidth.



### Applications

HDA, IDA, MDA and other areas at the data center.

### Characteristics

- The maximum configuration of the 1U patch panel is 144-core (DLC) or 72-port MPO, while that of the 4U patch panel is 576-core (DLC) or 288-port MPO.
- Based on normalized design, the same patch panel is compatible with 12-core modules (Base-12) and 24-core modules (Base-8), both of which can be switched at will and configured according to demands to accommodate future network expansion and changes.
- Knob screws are used to fix cables, and tool-free installation and removal ensures easy cabling operation.
- LC adapters are equipped with built-in dustproof doors to enhance cabling efficiency.
- The splitters designed with unique clamping structures and snap caps, and tool-free installation of trunk cabling can facilitate cabling construction and maintenance to enhance cabling efficiency.

- The product can be applied to fix trunk connections by clamping and binding.
- The module is pressed to be locked and ejected, which eliminates the inconvenience of plugging and unplugging patch cords in limited space.
- The stop groove mechanism, together with the handle warning label, can prevent the module from being violently ripped out to break the fiber.
- The special cabinet with supporting structures enables one person to complete the rack installation, thus greatly improving cabling efficiency and saving labor costs.
- The coating materials of the box meet the requirements of RoHs 2.0
- The box complies with the requirements of 24h hydrochloric acid testing.

## Complied Standards

- Comply with the relevant provisions of YD-778.
- Comply with the relevant provisions of GB2423.17.

## MTP-LC Conversion Module (UDF)

UDF series MTP-LC plug-and-play modules are used for splitting 12-core/24-core MTP adapters at the trunk path terminals into dual-core LC adapters. The dual-core LC adapters are placed at the front end of the module, and one/three MTP adapters are at its back. The built-in branching patch cords connect the front LC adapters with the back MTP adapters. This module can be easily installed in the UDF series rack-mounted fiber optic patch panel. It is used for the modular installation of the UDF series rack-mounted fiber optic patch panel. The patch cords that lead the trunk multi-fiber optical cables from the data center to electronic devices or customers' telecommunications outlets can provide terminal connection to realize structured cabling between trunk cables and the distribution area.



## Applications

Applied with the UDF fiber optic patch panel.

## Characteristics

- Patented general modules are used to serve one kind of wiring arrangement, and the point-to-point management of links is concise and clear
- The branch module has ultra-low insertion loss (IL). With  $IL \leq 0.35$  (multi-mode);  $IL \leq 0.65$  (single-mode), the insertion loss of links is effectively reduced.
- The schemes of fixing distributed adapters consider the operation of plugging and unplugging by one hand.
- Use duplex LC adapters with built-in dustproof covers to prevent dust effectively
- The hierarchical arrangement perfectly matches the wire trimming devices in the front of the UDF patch panel to make wire trimming simple and reliable
- Designed with general modular accessories, the same fiber optic patch panel can support the blend of 10G, 40G and 100G links
- Equipped with dustproof doors

## Complied Standards

- TIA/EIA 604-5-D-2007
- IEC 61754-7-2008

## Adapter Panel (UDF)

The UDF series adapter panel provides well-timed and effective port management for MTP or LC connectors to realize the connection management of MTP or LC connectors. Multiple specifications of configurations are available, which can support the use of hardware products in iCONEC® UDF solutions. The panel is used in conjunction with on-site installed connectors, or for the cabling of pre-installed connectors directly from devices to interconnected hardware.

### Applications

Used in iCONEC® UDF series fiber optic patch panels to realize the connection and deployment of patch cords and pigtails between devices and in patch panels.

### Characteristics

- The schemes of fixing distributed adapters consider the operation of plugging and unplugging by one hand.
- Duplex LC adapters with built-in dustproof covers are used to prevent dust effectively.
- DLC and MTP panels can be applied to the cabling installation from the inside of fiber optic patch panels to improve the efficiency.
- The hierarchical arrangement perfectly matches the wire trimming devices in the front of the UDF patch panel to make wire trimming simple and reliable.



## Main Technical Parameters

Product Model	Technical Index
Product Size	482mm*460mm*44mm (1U)    482mm*460mm*177mm (4U)
Height	1U/4U
Color	Black
Adapter	The adapter panel should be purchased separately
Material Composition	The box is made of high-quality cold-rolled steel, and the plastic parts are sprayed with electrostatic epoxy powder on the surface, the flame retardant property of which can meet the requirements of GB5169.7 Experiment A.
Adapter Type	LC, MTP, MPO, etc.
Electrical Performance	1) Insulation resistance: $\geq 1,000M\Omega/500V$ (DC) 2) Withstand voltage: $\geq 3,000V$ (DC) 1/min, no breakdown, no flashover
Using Environment	Indoor
Product Standard	<p>GB/T 2423.1-2008 Environmental Testing for Electric and Electronic Products - Part 2: Test Methods - Test A: Low temperature</p> <p>GB/T 2423.2-2008 Environmental Testing for Electric and Electronic Products - Part 2: Test Methods - Test B: High temperature,</p> <p>GB/T 2423.3-2006 Environmental Testing for Electric and Electronic Products Part 2: Test Methods Test Cab: Steady damp-heat test,</p> <p>GB/T 2423.17-2008 Environmental Testing for Electric and Electronic Products Part 2: Test Methods - Test Ka: Salt mist,</p> <p>GB/T 2829-2002 Periodic Inspection Counting Sampling Procedures and Table (applicable to inspection of the process stability)</p> <p>GB/T 3873-1983 General Technical Specifications for Packing of Communications Equipment Products</p> <p>GB/T 5169.9-2006 Fire Risk Testing for Electric and Electronic Products - Part 9: Guideline for assessing the fire hazard, Use of preselection testing procedures,</p> <p>GB/T 9286-1998 Paints and Varnishes-Cross Cut Test for Films</p> <p>GB/T 12507.1-2000 Connectors for optical fibres and cables Part 1: Generic specification,</p> <p>YD/T 778-2006 fiber optic patch panel</p>
Operation Temperature	-25°C to +55°C
Environment Humidity	$\leq 93\%$ (+40°C)
Atmospheric Pressure	70 kPa to 106 kPa

## Product Model

Product Model	Product Description
iCONEC-DFUMTUMDE12	UDF Module/1*12-Core MTP to 6D LC, G.657.A2
iCONEC-DFUMTUMDA12	UDF Module/1*12-Core MTP to 6D LC, OM3
iCONEC-DFUMTUMDN12	UDF Module/1*12-Core MTP to 6D LC, OM4
iCONEC-DFUMTUMDD12	UDF Module/1*12-Core MTP to 6D LC, OM5
iCONEC-DFUMTUMDE24	UDF Module/3*8-Core MTP to 12D LC, G.657.A2
iCONEC-DFUMTUMDA24	UDF Module/3*8-Core MTP to 12D LC, OM3
iCONEC-DFUMTUMDN24	UDF Module/3*8-Core MTP to 12D LC, OM4
iCONEC-DFUMTUMDD24	UDF Module/3*8-Core MTP to 12D LC, OM5
iCONEC-DFUMPUMDE12	UDF Module/1*12-Core MPO to 6D LC, G.657.A2
iCONEC-DFUMPUMDA12	UDF Module/1*12-Core MPO to 6D LC, OM3

iCONEC-DFUMPUMDN12	UDF Module/1*12-Core MPO to 6D LC, OM4
iCONEC-DFUMPUMDD12	UDF Module/1*12-Core MPO to 6D LC, OM5
iCONEC-DFUMPUMDE24	UDF Module/3*8-Core MPO to 12D LC, G.657.A2
iCONEC-DFUMPUMDA24	UDF Module/3*8-Core MPO to 12D LC, OM3
iCONEC-DFUMPUMDN24	UDF Module/3*8-Core MPO to 12D LC, OM4
iCONEC-DFUMPUMDD24	UDF Module/3*8-Core MPO to 12D LC, OM5
iCONEC-DFUPDUM06	UDF adapter panel/6-port mutli-mode duplex LC, aqua green
iCONEC-DFUPDUD06	UDF adapter panel/6-port mutli-mode duplex LC, lime green
iCONEC-DFUPDUS06	UDF adapter panel/6-port single-mode duplex LC, blue
iCONEC-DFUPMT006	UDF adapter panel/6-port MTP adapter, black (Uscon adapter)
iCONEC-DFUP000	UDF blind plate
iCONEC-DFUTRAY12	UDF fiber splice tray/12 cores
iCONEC-DFUDTSL01	UDF rack-mounted fiber optic patch panel/empty box, 1U, sliding type, installed with max 12 12-core MTP/LC modules or 12-core DLC panels or blind plates
iCONEC-DFUDTSL04	UDF rack-mounted fiber optic patch panel/empty box, 4U, sliding type, installed with max 48 12-core MTP/LC modules or 12-core DLC panels or blind plates
iCONEC-DFUDZSL01	UDF rack-mounted fiber optic patch panel/empty box, 1U, sliding type, installed with max 6 24-core MTP/LC modules
iCONEC-DFUDZSL04	UDF rack-mounted fiber optic patch panel/empty box, 4U, sliding type, installed with max 24 24-core MTP/LC modules

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

## UDF Pro Ultra-high Density Fiber Optic Patch Panel

### Applications

IDA, MDA and other areas at the high-density data center.



### Characteristics

- Suitable for standard 19-inch cabinet/rack installation
- The specifications of 1U and 4U are available for pre-terminated cabling schemes
- The maximum configuration of 1U products is 432-core (MDC) or 72-port (MPO/MTP)
- The maximum configuration of 4U products is 1728-core (MDC) or 288-port (MPO/MTP)
- With new MDC connectors, the optical fiber density is 3 times higher than DLC connectors. That means a single MTP-MDC module cassette can accommodate 72 cores, which is in line with the future development and ready to cope with the trend of ultra-high density of data centers.
- Based on normalized design, the same patch panel is compatible with the MTP to MDC conversion module and the MTP to DLC conversion module, seamlessly connecting to DLC connectors. It can be switched at will and configured according to demands to accommodate future network expansion and changes. It can serve the smooth upgrading of space density and network bandwidth. It can also optimize costs of each U of space for users.
- Designed with general modular accessories, the same fiber optic patch panel can support the blend of 10G, 40G, 100G, 200G and 400G links.

- The module is pressed to be locked and ejected, which can eliminate the inconvenience of plugging and unplugging patch cords in limited space.
- The stop groove mechanism, together with the handle warning label, can prevent the module from being violently ripped out to break the fiber.

## Complied Standards

- TIA/EIA 604-5-2007
- IEC-61754

## Product Model

Product Model	Product Description
iCONEC-UDF-PRO-1U-ODU-SLIDE	UDF PRO rack-mounted fiber optic patch panel/empty box, 1U, sliding type, installed with max 6 72-core MTP/LC modules or 24-core DLC panels or blind plates
iCONEC-UDF-PRO-4U-ODU-SLIDE	UDF PRO rack-mounted fiber optic patch panel/empty box, 4U, sliding type, installed with max 24 72-core MTP/LC modules or 24-core DLC panels or blind plates

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements

## UDF Pro Optical Fiber Module Cassette

## Applications

Suitable for UDF fiber optic patch panels.



## Characteristics

- Made of high-quality sheet metal, and sprayed with electrostatic epoxy powder on the surface. With good mechanical strength, it is strong, durable and elegant in design.
- The 72-core density can be achieved by an MP0toMDC conversion module.
- Service life of connectors: After 1000 times of plugging-and-unplugging operation, the insertion loss variation is <0.1dB.
- The environment temperature for storage is -40°C to +65°C, and the relative humidity is ≤90% (+30°C)

## Complied Standards

- The flame retardant property of plastic parts meets the requirements of GB5169.16.

## Connector Performance

Connector Performance	IL (dB)	RL (dB)
MTP Multi-Mode High-Accuracy	≤0.25	-28
MPO Multi-Mode High-Accuracy	≤0.30	-25
MTP Single-Mode High-Accuracy	≤0.35	-65
MTP Multi-Mode General-Accuracy	≤0.35	-28
MPO Multi-Mode General-Accuracy	≤0.35	-25
MTP Single-Mode General-Accuracy	≤0.60	-65

## Product Model

	Product Description
iCONEC-9-MTP8-12MDC/UPC-G.657.A2-UDF/PRO	UDF/PRO-MDC Module/9MTP8 to 12MDC, G.657.A2
iCONEC-9-MTP8-12MDC/UPC-BI OM3-UDF/PRO	UDF/PRO-MDC Module/9MTP8 to 12MDC, OM3
iCONEC-9-MTP8-12MDC/UPC-BI OM4-UDF/PRO	UDF/PRO-MDC Module/9MTP8 to 12MDC, OM4
iCONEC-9-MTP8-12MDC/UPC-BI OM5-UDF/PRO	UDF/PRO-MDC Module/9MTP8 to 12MDC, OM5
iCONEC-6-MTP12-12MDC/UPC-G.657.A2-UDF/PRO	UDF/PRO-MDC Module/6MTP12 to 12MDC, G.657.A2
iCONEC-6-MTP12-12MDC/UPC-BI OM3-UDF/PRO	UDF/PRO-MDC Module/6MTP12 to 12MDC, OM3
iCONEC-6-MTP12-12MDC/UPC-BI OM4-UDF/PRO	UDF/PRO-MDC Module/6MTP12 to 12MDC, OM4
iCONEC-6-MTP12-12MDC/UPC-BI OM5-UDF/PRO	UDF/PRO-MDC Module/6MTP12 to 12MDC, OM5

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

# G4 Telescopic Type Fiber Optic Patch Panel

## Applications

The G4 fiber optic patch panel is designed with a standard 19-inch rack, which is mainly used for optical connections and distribution management of EDA, HDA, MDA and other areas of data centers that are splicing-type or pre-terminated.



## Characteristics

- 1U, 2U, 3U, 4U and other versions are available.
- Trunk connections can be fixed by clamping, which makes cabling fast and reliable.
- Transparent upper cover and tool-free installation, easily withdrawable.
- Compatible with both splicing-type and pre-terminated solutions.
- Tiered and telescopic design. Each drawer and each module cassette adopt modular design with high interchangeability. Separate wire trimming at each layer.
- The professional silent guide with metal balls is smooth and durable. All plates can be drawn out to support the pre-installation of the whole cabinet.
- The customized cable management panel, and the front cover made of aluminum alloy to make cabling clean and safe.
- Box coating materials comply with RoHs 2.0
- The box meets the requirements of 24H hydrochloric acid experiment.
- The plugging-and-unplugging operation can control gears, which can ensure convenience and safety in maintainance and operation.
- The cabling is designed with reasonable density, which can be simplified into one kind of patch cord length when used with 64/128-port switches. The cabling is fast and simple.

## Complied Standards

- Comply with the relevant provisions of YD-778.
- Comply with the relevant provisions of GB2423.17.

## Main Technical Parameters

Content	Technical Index
Product Size	440mm*380mm*43.6mm(1U) 440mm*380mm*88mm (2U) 440mm*380mm*132mm (3U) 440mm*380mm*176mm(4U)
Height	1U/2U/3U/4U
Color	Black
Adapter	The adapter panel should be purchased separately
Front panel	Equipped with the front wiring management baffle, wire management rings and wire-out ports on both sides

## G4 MPO/MTP Modules and Panels

The pre-terminated optical fiber cassette is used to convert MPO/MTP connectors terminated on trunk cables into LC duplex connectors for expanding the network of system equipment, panels or work areas. The modular structure used in data center applications provides greater manageability and flexibility.

### Applications

Applied with the G4 fiber optic patch panels.

### Characteristics

- Multiple versions such as 12-core and 24-core ones are available.
- Both standard-loss and low-loss MTP-LC pre-terminated cassettes are available.
- The distribution density of up to 96 cores for 1U and 288 cores for 4U can be achieved.
- Smaller components are adopted to save more installation space.
- Plug-and-play design greatly reduces installation and MAC time. It requires no training, no on-site termination, which can save time and money involved in termination, and no field detection.
- Factory pre-termination, 100% tested.

### Complied Standards

- TIA/EIA-568-C3, ISO/IEC11801
- IEC 61754-7
- TIA-604-5 (FOCIS 5)



## G4 Fixed Type Fiber Optic Patch Panel

### Applications

Building equipment room and low voltage room, EDA, HDA, MDA, etc. at the data center.



## Characteristics

- Installed fixedly in 1U, and compatible with pre-terminated and fusion splicing cabling schemes
- The maximum configuration of pre-terminated cabling is 96-core (DLC) or 32-port (MTP/MPO)
- Serve the high-density fusion splicing of 96 cores
- Compatible with cabinet/rack installation or cable tray hoisting
- Compatible with the fixation of the trunk by clamping or binding
- With a transparent upper cover, it is easily withdrawable.
- With a super compact size, it can support double-sided installation of the cabinet to save half of the room area
- The cabling is designed with reasonable density, which can be simplified into one kind of patch cord length when used with 64/128-port switches. The cabling is fast and simple.
- Box coating materials comply with RoHs 2.0
- The box meets the requirements of 24H hydrochloric acid experiment.

## Complied Standards

- GB/T 2423.1-2008
- GB/T 2423.2-2008
- GB/T 2423.3-2006
- GB/T 2423.17-2008
- GB/T 2829-2002
- GB/T 3873-1983

## Main Technical Parameters

Content	Technical Index
Product Size	440mm*257mm*43.6mm
Weight	1.6kg
Height	1U
Color	Black
Adapter	The adapter panel should be purchased separately

## Product Model

Product Model	Product Description
iCONEC-DFGDSL01	G4 rack-mounted fiber optic patch panel/empty box, 1U, sliding type, installed with max 4 G4 MTP/LC modules or 96-core DLC panels or blind plates
iCONEC-DFGDSL02	G4 rack-mounted fiber optic patch panel/empty box, 2U, sliding type, installed with max 8 G4 MTP/LC modules or 192-core DLC panels or blind plates
iCONEC-DFGDSL04	G4 rack-mounted fiber optic patch panel/empty box, 4U, sliding type, installed with max 16 G4 MTP/LC modules or 384-core DLC panels or blind plates

iCONEC-DFGMTUMDE24	G4 Module/2*12-Core MTP to 12D LC, G.657.A2
iCONEC-DFGMTUMDA24	G4 Module/2*12-Core MTP to 12D LC, Bend Insensitive OM3
iCONEC-DFGMTUMDN24	G4 Module/2*12-Core MTP to 12D LC, Bend Insensitive OM4
iCONEC-DFGMTUMDD24	G4 Module/2*12-Core MTP to 12D LC, OM5
iCONEC-DFGMTUMDE12	G4 Module/1*12-Core MTP to 6D LC, G.657.A2
iCONEC-DFGMTUMDA12	G4 Module/1*12-Core MTP to 6D LC, Bend Insensitive OM3
iCONEC-DFGMTUMDN12	G4 Module/1*12-Core MTP to 6D LC, Bend Insensitive OM4
iCONEC-DFGMTUMDD12	G4 Module/1*12-Core MTP to 6D LC, OM5
iCONEC-DFGMPUMDE24	G4 Module/2*12-Core MPO to 12D LC, G.657A.2
iCONEC-DFGMPUMDA24	G4 Module/2*12-Core MPO to 12D LC, Bend Insensitive OM3
iCONEC-DFGMPUMDN24	G4 Module/2*12-Core MPO to 12D LC, Bend Insensitive OM4
iCONEC-DFGMPUMDD24	G4 Module/2*12-Core MPO to 12D LC, OM5
iCONEC-DFGMPUMDN24	G4 Module/2*12-Core MPO-12DLC/BI-OM4
iCONEC-DFGMPUMDD24	G4 Module/2*12-Core MPO-12DLC/BI-OM5
iCONEC-DFGMPUMDE12	G4 Module/1*12-Core MPO-6DLC/G.657.A2
iCONEC-DFGMPUMDA12	G4 Module/1*12-Core MPO-6DLC/BI-OM3
iCONEC-DFGMPUMDN12	G4 Module/1*12-Core MPO-6DLC/BI-OM4
iCONEC-DFGMPUMDD12	G4 Module/1*12-Core MPO-6DLC/BI-OM5
iCONEC-DFGPDUM06	G4 adapter panel/6-port multimode duplex LC, aqua green
iCONEC-DFGPDUS06	G4 adapter panel/6-port single-mode duplex LC, blue
iCONEC-DFGPDUM12	G4 adapter panel/12-port multimode duplex LC, aqua green
iCONEC-DFGPDUS12	G4 adapter panel/12-port single-mode duplex LC, blue
iCONEC-DFGPSUM06	G4 adapter panel/6-port multimode SC, aqua green
iCONEC-DFGPSUS06	G4 adapter panel/6-port single-mode SC, blue
iCONEC-DFGPSUM12	G4 adapter panel/12-port multimode SC, aqua green
iCONEC-DFGPSUS12	G4 adapter panel/12-port single mode SC, blue
iCONEC-DFGPFUS12	G4 adapter panel/12-port single-mode simplex FC
iCONEC-DFGPMT012	G4 adapter panel/12-port MTP adapter, black (Uscon adapter)
iCONEC-DFGPMT008	G4 adapter panel/8-port MTP adapter, black (Uscon adapter)
iCONEC-DFGPMT006	G4 adapter panel/6-port MTP adapter, black (Uscon adapter)
iCONEC-DFGP00	G4 blind plate
iCONEC-TRAY24	24-core general fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
iCONEC-TRAY-24CB	24-core ultra-thin fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
iCONEC-DFGDFC01	G4 fixed fiber optic patch panel, 1U height, 4 slots
iCONEC-DFGDFB01	G4 cable tray hoisting fixed fiber optic patch panel, 1U height, 4 slots

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

# SDF Fiber Optic Patch Panel

## Applications

The SDF fiber optic patch panel is designed with a standard 19-inch rack, mainly used for main cross-connection, intermediate cross-connection and the connection between telecommunication devices. The installation of racks or equipment cabinets adopts high-density optic cables that have a large number of cores for cross-connection.

## Characteristics

- 1U/4U 3-vacancy/12-vacancy fixed patch panel
- Compatible with fusion splicing and pre-terminated schemes
- 1U for 72-core (LC adapter) or 24-port (MTP adapter)
- 4U for 288-core (LC adapter) or 72-port (MTP adapter)
- A transparent organic glass cover plate on the top of the 1U patch panel, tool-free installation, easy for inspection and maintenance
- The 4U patch panel adopts a transparent clamshell front end face, which can help management and inspection.
- The fiber splice trays of the 4U patch panel can be drawn out from the rear, which is convenient for fusion construction.
- Multiple optical cable incoming positions and patch cord exits for easy operation and management
- The 1U patch panel is equipped with a 24-core SDF MTP/LC conversion module to adapt to multiple applications (such as inside the cabinet, on the cable tray, under the raised floor, on the wall, etc.), so the valuable and available space of the cabinet for installation will be saved.
- Box coating materials comply with RoHs 2.0
- The box meets the requirements of 24H hydrochloric acid experiment.



## Complied Standards

- Comply with the relevant provisions of YD-778.
- Comply with the relevant provisions of GB2423.17.
- Meet TIA/EIA 604-5-D-2007 standards
- Comply with IEC 61754-7-2008 series standards

## Main Technical Parameters

Content	Technical Index
Product Size	440mm*260mm*43.5mm(1U) 435mm*176mm*400mm (4U)
Height	1U/4U
Color	Black (RAL9005)

## SDF Optical Fiber Module Cassette

The iCONEC® SDF MPO/MTP plug-and-play module has built-in branching patch cords, which is used to split 12-core MPO/MTP connectors at the terminal of trunk cables into single-core or dual-core connectors. Single-core or dual-core LC/SC adapters are located at the front end of the module with one or two MPO/MTP adapters on its back. The built-in branching patch cords connect the front LC adapters to the back MPO/MTP adapters. The module can be conveniently installed in the iCONEC® SDF rack-mounted fiber optic patch panel.



### Applications

Applied with the SDF fiber optic patch panel.

### Characteristics

- Factory pre-termination, 100% tested to ensure transmission performance
- Modular design is ready for later capacity expansion
- Reasonable optical fiber route to minimize structures and ensure fibre bending radius
- Fast configuration and networking to reduce on-site installation time.
- Rapid upgrading to support parallel transmission system applications
- Multiple versions such as 12-core and 24-core ones are available.

### Complied Standards

- TIA/EIA 604-5-D-2007
- IEC 61754-7-2008

# SDF Adapter Panel

The iCONEC® adapter panel provides fast and effective port management for MPO/MTP or LC/SC connectors, and can realize MPO/MTP connector connections or connection management of LC/SC connectors. The 6-core, 8-core, 12-core and 24-core products are available for supporting the use of the hardware products in iCONEC® solutions. And the panel is used in conjunction with on-site installed connectors, or for the cabling of pre-installed connectors directly from devices to interconnected hardware.



## Applications

Applied with the SDF fiber optic patch panel.

## Characteristics

- Each adapter panel can be configured with 24 ports for LC adapters and 6/8 ports for SC adapters.
- 6 ports for MPO/MTP adapters
- Clear connector coding marks
- Flexible structure, flexible selection of port configuration of adapters
- Suitable for various types of industrial standard adapter design
- Snap-on installation is convenient for construction
- Strictly tested to ensure quality

## Complied Standards

- TIA/EIA 604-5-D-2007
- IEC 61754-7-2008

## Product Model

Product Model	Product Description
iCONEC-OFSMTUMDE24	SDF Module/1*12-Core MTP to 12D LC, G.657.A2
iCONEC-OFSMTUMDA24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM3
iCONEC-OFSMTUMDN24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM4
iCONEC-OFSMTUMDD24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM5
iCONEC-OFSMTUMDE12	SDF Module/1*12-Core MTP to 6D LC, G.657.A2
iCONEC-OFSMTUMDA12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM3
iCONEC-OFSMTUMDN12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM4
iCONEC-OFSMTUMDD12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM5
iCONEC-OFSMPUMDE24	SDF Module/1*24-Core MPO to 12D LC, G.657.A2
iCONEC-OFSMPUMDA24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM3
iCONEC-OFSMPUMDN24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM4
iCONEC-OFSMPUMDD24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM5
iCONEC-OFSMPUMDE12	SDF Module/1*12-Core MPO to 6D LC, G.657.A2
iCONEC-OFSMPUMDA12	SDF Module/1*12-Core MPO to 6D LC, Bend Insensitive OM3
iCONEC-OFSMPUMDN12	SDF Module/1*12-Core MPO to 6D LC, Bend Insensitive OM4
iCONEC-OFSMPUMDD12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM5
iCONEC-OFSPDUM06	SDF adapter panel/6*multimode duplex LC, aqua green
iCONEC-OFSPDUS06	SDF adapter panel/6*single-mode duplex LC, blue
iCONEC-OFSPDUM12	SDF adapter panel/12*multimode duplex LC, aqua green
iCONEC-OFSPDUS12	SDF adapter panel/12*single-mode duplex LC, blue
iCONEC-OFSPSUM06	SDF adapter panel/6*multimode simplex SC, aqua green
iCONEC-OFSPSUS06	SDF adapter panel/6*port single-mode duplex SC, blue
iCONEC-OFSPSUM12	SDF adapter panel/12*multimode simplex LC, aqua green
iCONEC-OFSPSUS12	SDF adapter panel/12*single-mode simplex SC, Blue
iCONEC-OFSPFUS12	SDF adapter panel/12* single-mode simplex FC
iCONEC-OFSPMT008	SDF adapter panel/8*MTP adapter, multimode/single-mode (Uscon adapter)
iCONEC-OFSPMT006	SDF adapter panel/6*MTP adapter, multimode/single-mode (Uscon adapter)
iCONEC-OFSCYFP	SDF rack-mounted fiber optic patch panel outdoor cable fixings
iCONEC-OFSP00	SDF blind plate
iCONEC-TRAY24	24-core general fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
iCONEC-TRAY-24CB	24-core ultra-thin fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
iCONEC-OFSDFC01	SDF rack-mounted fiber optic patch panel/empty box, 1U, fixed cabinet, installed with max 3 GDF series MTP/LC modules/panels/blind plates, fusion splicing 72 cores
iCONEC-OFSDFB01	SDF rack-mounted fiber optic patch panel /empty box, 1U, cable tray hoisting fixed type, installed with max 3 GDF series MTP/LC modules/panels/blind plates, fusion splicing 72 cores
iCONEC-OFSDFC04	SDF rack-mounted fiber optic patch panel/empty box, 4U, fixed cabinet, installed with max 12 GDF series MTP/LC modules/panels/blind plates, fusion splicing 288 cores

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements

# iCONEC® Pre-terminated Patch Cord and Branching Patch Cord

## MPO/MTP Pre-terminated Patch Cord

Pre-terminated optical fiber patch cords are available in MTP-MTP and MTP-LC types. Each patch cord is 100% tested in the factory, has low insertion loss and complies with international standards and data center requirements.

### Applications

Optical fiber cabling at the data center is designed for patch cord connections among 40G and 100G terminal equipment.

### Characteristics

- Comply with TIA/EIA-568-C.3, ISO/IEC 11801
- Factory pre-termination, 100% tested to leave the factory
- Flexible choice of cable arrangement
- Handles are provided for easy installation
- Each cable is labeled for the product manufacturing and quality traceability.
- OM3 and OM4 cables are designed to withstand slight bends, which can greatly alleviate the system operation interruption and degradation caused by bending problems.

### Complied Standards

- IEC 61754-7
- IEC 61754-20
- IEC 61300-3-4
- TIA/EIA-568-C.3
- ISO/IEC 11801

### Optical Fiber Performance

Fiber Type	Core/Cladding Dia. (μm)	Bandwidth (MHZ·km)	Wavelength (nm)	Max. Attenuation (dB/km)
G.657.A2	9/125	NA	1310/1550	0.35/0.21
BI OM3	50/125	2000	850/1300	2.4/0.6
BI OM4	50/125	4700	850/1300	2.4/0.6
BI OM5	50/125	4700	850/1300	2.4/0.6



## Connector Performance

Connector Performance	IL (dB)	RL (dB)
MTP Multi-Mode High-Accuracy	≤0.25	-28
MPO Multi-Mode High-Accuracy	≤0.30	-25
MTP Singlei-Mode High-Accuracy	≤0.35	-65
MTP Multi-Mode General-Accuracy	≤0.35	-28
MPO Multi-Mode General-Accuracy	≤0.35	-25
MTP Singlei-Mode General-Accuracy	≤0.60	-65

## Mechanical Performance

Fibre Count	Static Bending Radius (mm)	Dynamic Bending Radius (mm)	Operation Temperature (°C)	Installation Temperature (°C)	Transport and Storage Temperature (°C)	Package
8	10D	20D	-20 to +60	-5 to +50	-25 to +75	PE bag for L<50m, Reel packaging for L≥50m
12	10D	20D	-20 to +60	-5 to +50	-25 to +75	
24	10D	20D	-20 to +60	-5 to +50	-25 to +75	
48	10D	20D	-20 to +60	-5 to +50	-25 to +75	

## Product Model

Product Model	Product Description
iCONEC-DBPBTTFFE12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
iCONEC-DBPBTTFFA12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM3, Type B, 3m.
iCONEC-DBPBTTFFN12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM4, Type B, 3m.
iCONEC-DBPBTTFFD12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM5, Type B, 3m.
iCONEC-DBPBTTFFE12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
iCONEC-DBPBTTFFA12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM3, Type B, 3m.
iCONEC-DBPBTTFFN12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM4, Type B, 3m.
iCONEC-DBPBTTFFD12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM5, Type B, 3m.
iCONEC-DBPBTTFFE12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, G.657.A2, Type B, 3m.
iCONEC-DBPBTTFFA12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM3, Type B, 3m.
iCONEC-DBPBTTFFN12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM4, Type B, 3m.
iCONEC-DBPBTTFFD12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM5, Type B, 3m.
iCONEC-DBPBTTFFE12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, G.657.A2, Type B, 3m.
iCONEC-DBPBTTFFA12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM3, Type B, 3m.
iCONEC-DBPBTTFFN12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM4, Type B, 3m.

iCONEC-DBPBTTFFD12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM5, Type B, 3m.
iCONEC-DBPBPTFFE12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
iCONEC-DBPBPTFFA12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM3, Type B, 3m.
iCONEC-DBPBPTFFN12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM4, Type B, 3m.
iCONEC-DBPBPTFFD12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM5, Type B, 3m.
iCONEC-DBPBPTFFE12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
iCONEC-DBPBPTFFA12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM3, Type B, 3m.
iCONEC-DBPBPTFFN12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM4, Type B, 3m.
iCONEC-DBPBPTFFD12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM5, Type B, 3m.
iCONEC-DBPBPTFFE12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, G.657.A2, Type B, 3m.
iCONEC-DBPBPTFFA12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM3, Type B, 3m.
iCONEC-DBPBPTFFN12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM4, Type B, 3m.
iCONEC-DBPBPTFFD12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM5, Type B, 3m.
iCONEC-DBPBPTFFE12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, G.657.A2, Type B, 3m.
iCONEC-DBPBPTFFA12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, OM3, Type B, 3m.
iCONEC-DBPBPTFFN12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, OM4, Type B, 3m.
iCONEC-DBPBPTFFD12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, OM5, Type B, 3m.

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

## MPO/MTP Branching Patch Cord

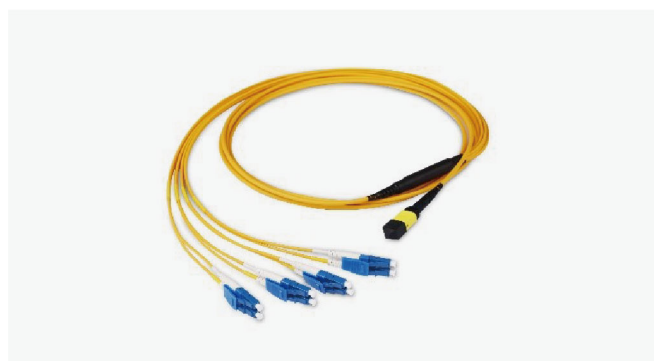
Pre-terminated optical fiber patch cords are available in MTP-MTP and MTP-LC types. Each patch cord is 100% tested in the factory, has low insertion loss and complies with international standards and data center requirements. Each opening in the optical fiber harness is numbered for easy use and maintenance.

### Applications

SAN network area and others at the data center.

### Characteristics

- Standard high-precision MPO/MTP optical fibre connectors and simplex/duplex LC/SC connectors are used in this product.
- It is available in 6 cores, 8 cores, 12 cores, 16 cores, etc.
- A wide range of cable arrangement products are available.
- Rapid upgrading to support parallel transmission system applications
- The length of trunk and branch harnesses can be customized.
- Multiple flame retardant outer sheaths are available: LSZH, OFNR, OFNP



## Optical Fiber Performance

Fiber Type	Core/Cladding Dia. (μm)	Bandwidth (MHZ·km)	Wavelength (nm)	Max. Attenuation (dB/km)
G.657.A2	9/125	NA	1310/1550	0.35/0.21
BI OM3	50/125	2000	850/1300	2.4/0.6
BI OM4	50/125	4700	850/1300	2.4/0.6
BI OM5	50/125	4700	850/1300	2.4/0.6

## Connector Performance

Connector Performance	IL (dB)	RL (dB)
MTP Multi-Mode High-Accuracy	≤0.25	-28
MPO Multi-Mode High-Accuracy	≤0.30	-25
MTP Singlei-Mode High-Accuracy	≤0.35	-65
MTP Multi-Mode General-Accuracy	≤0.35	-28
MPO Multi-Mode General-Accuracy	≤0.35	-25
MTP Singlei-Mode General-Accuracy	≤0.60	-65

## Mechanical Performance

Fibre Count	Static Bending Radius (mm)	Dynamic Bending Radius (mm)	Operation Temperature (°C)	Installation Temperature (°C)	Transport and Storage Temperature (°C)	Package
8	10D	20D	-20 to +60	-5 to +50	-25 to +75	PE bag for L<50m Reel packaging for L≥50m
12	10D	20D	-20 to +60	-5 to +50	-25 to +75	
24	10D	20D	-20 to +60	-5 to +50	-25 to +75	
48	10D	20D	-20 to +60	-5 to +50	-25 to +75	

## Product Model

Product Model	Product Description
iCONEC-DBPBTTMDE12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
iCONEC-DBPBTTMDA12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM3, Type B, 3m.
iCONEC-DBPBTTMDN12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM4, Type B, 3m.
iCONEC-DBPBTTMDD12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM5, Type B, 3m.
iCONEC-DBPBTTMDE12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
iCONEC-DBPBTTMDA12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM3, Type B, 3m.
iCONEC-DBPBTTMDN12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM4, Type B, 3m.
iCONEC-DBPBTTMDD12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM5, Type B, 3m.
iCONEC-DBPBTTMDE12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, G.657.A2, Type B, 3m.
iCONEC-DBPBTTMDA12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM3, Type B, 3m.
iCONEC-DBPBTTMDN12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM4, Type B, 3m.
iCONEC-DBPBTTMDD12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM5, Type B, 3m.
iCONEC-DBPBTTMDE12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, G.657.A2, Type B, 3m.
iCONEC-DBPBTTMDA12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM3, Type B, 3m.
iCONEC-DBPBTTMDN12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM4, Type B, 3m.
iCONEC-DBPBTTMDD12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM5, Type B, 3m.
iCONEC-DBPBPTMDE12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
iCONEC-DBPBPTMDA12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM3, Type B, 3m.
iCONEC-DBPBPTMDN12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM4, Type B, 3m.
iCONEC-DBPBPTMDD12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM5, Type B, 3m.
iCONEC-DBPBPTMDE12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
iCONEC-DBPBPTMDA12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM3, Type B, 3m.
iCONEC-DBPBPTMDN12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM4, Type B, 3m.
iCONEC-DBPBPTMDD12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM5, Type B, 3m.
iCONEC-DBPBPTMDE12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, G.657.A2, Type B, 3m.
iCONEC-DBPBPTMDA12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM3, Type B, 3m.
iCONEC-DBPBPTMDN12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM4, Type B, 3m.
iCONEC-DBPBPTMDD12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM5, Type B, 3m.
iCONEC-DBPBPTMDE12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, G.657.A2, Type B, 3m.
iCONEC-DBPBPTMDA12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, OM3, Type B, 3m.
iCONEC-DBPBPTMDN12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, OM4, Type B, 3m.
iCONEC-DBPBPTMDD12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, OM5, Type B, 3m.

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

