

Fibercloud Structured Cabling Solutions

Fiber Cloud

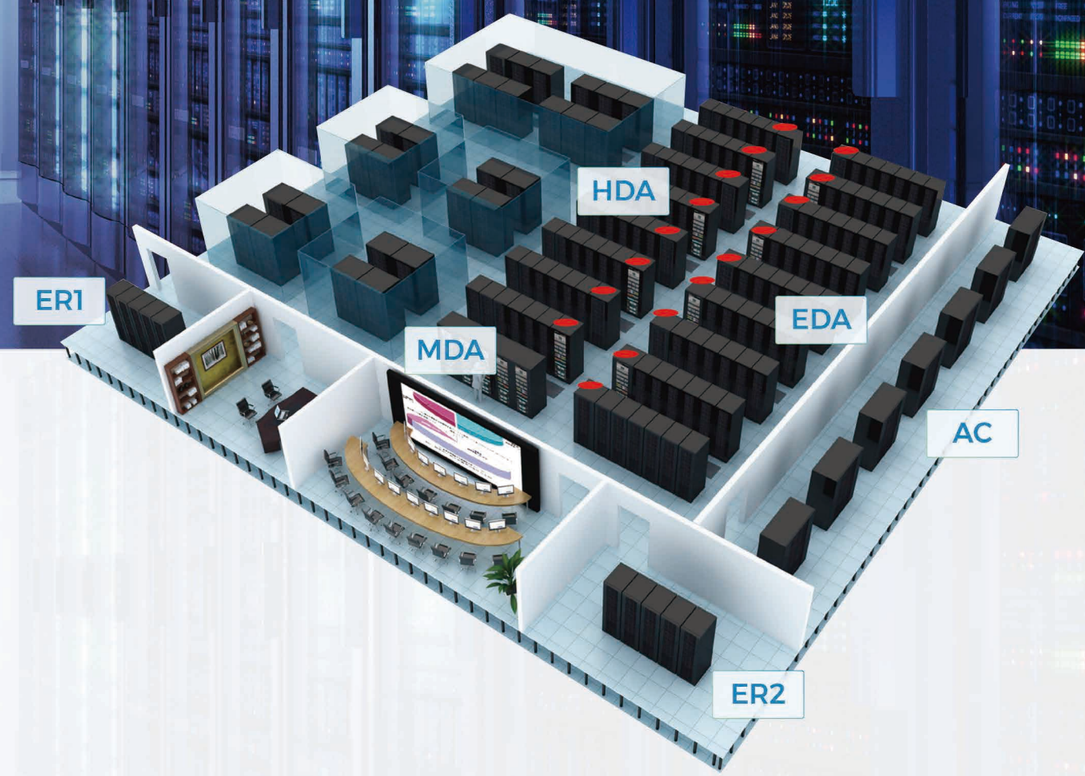
Shanghai Fibercloud Communication Technology Co., Ltd.

Address: Room 605, Building A, Lane 2419, Hunan Road, Pudong New Area, Shanghai

Fiber Cloud

Structured Cabling Data Center Solutions

Provide the data center with solutions with high availability, reliability, manageability, extensibility and high density to ensure high efficiency, save energy, and optimize the total cost of ownership.



EDA

G4 fiber optic patch panel



LC fiber duplex patch cord



Server



Optical module



HDA



UDF fiber optic patch panel



LC fiber duplex patch cord



Blade Switch



Optical module

Structured Cabling Solutions for Parks and Buildings



Copper cabling solutions



Cat 6 UTP



Cat 6 Unshielded Information Module



Cat 6 Unshielded Patch Cord



Cat 6 Unshielded Distribution Frame

Copper cabling solutions



Cat 6a STP



Cat 6a Shielded Information Module



Cat 6a Shielded Patch Cord



Cat 6 Unshielded Distribution Frame

Fiber optic cabling solutions



Indoor/Outdoor Fiber Optic Cables



Single-mode/Multimode LC Fiber Duplex Patch Cord



Fiber Optic Patch Panel



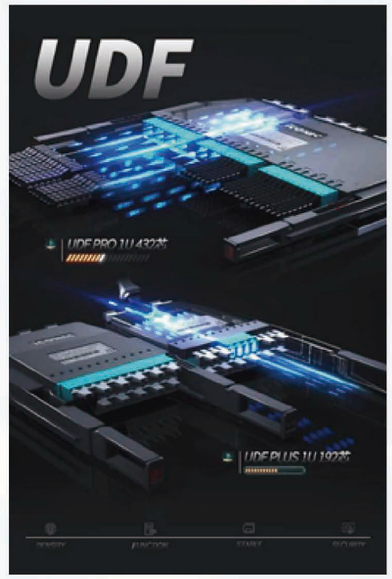
Adapter Panel



UDF High-density Fiber Optic Patch Panel

With high-density UDF fiber optic patch panels, the density of the 144-core LC patch panel can be realized in 1U, and the density of the 576-core LC patch panel in 4U. The most cost-effective solutions are offered to optimize 1U of rack space for users. The whole patch panel is designed to be pressed to eject, which can efficiently improve operation and maintenance. With its own dust-proof door, the MPO-LC optical fiber conversion module can help users upgrade from 10G to 40G, 100G and 400G smoothly on the basis of 8-core and 12-core versions.







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Data Center Solutions

iCONEC® Pre-terminated Trunk Cable

MPO/MTP Pre-terminated Trunk Cable

iCONEC® Fiber Optic Distribution System

UDF High-density Fiber Optic Patch Panel
MTP-LC Conversion Module (UDF)
Adapter Panel (UDF)
UDF Pro Ultra-high Density Fiber Optic Patch Panel
UDF Pro Optical Fiber Module Cassette
G4 Telescopic Type Fiber Optic Patch Panel
G4 MPO/MTP Modules and Panels
G4 Fixed Type Fiber Optic Patch Panel
SDF Fiber Optic Patch Panel
SDF Optical Fiber Module Cassette
SDF Adapter Panel

iCONEC® Pre-terminated Patch Cord and Branching Patch Cord

MPO/MTP Pre-terminated Patch Cord
MPO/MTP Branching Patch Cord



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≤0.25 (multi-mode); IL≤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 (℃)	Installation Temperature (℃)	Transport and Storage Temperature (℃)	Package
12	60-100	400	100	10D	20D	-20~+60	-5~+50	-25~+75	PE bag for L<50m Reel packaging 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
DTHBTTFFE12H-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, LSZH-1, Type B, G657A2, 10m.
DTHBTTFFE12R-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNR, Type B, G657A2, 10m.
DTHBTTFFE12P-0100	MTP Pre-terminated Trunk Cable, Connector F-F, 12-core, OFNP, Type B, G657A2, 10m.

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

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≤0.35 (multi-mode); IL≤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 connecors directly from devices to interconnected hardware.



Applications

Used in 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: ≥1,000MΩ/500V (DC) 2) Withstand voltage: ≥3,000V (DC) 1/min, no breakdown, no flashover
Using Environment	Indoor
Product Standard	GB/T 2423.1-2008 Environmental Testing for Electric and Electronic Products - Part 2: Test Methods - Test A: Low temperature GB/T 2423.2-2008 Environmental Testing for Electric and Electronic Products - Part 2: Test Methods - Test B: High temperature, GB/T 2423.3-2006 Environmental Testing for Electric and Electronic Products Part 2: Test Methods Test Cab: Steady damp-heat test, GB/T 2423.17-2008 Environmental Testing for Electric and Electronic Products Part 2: Test Methods - Test Ka: Salt mist, GB/T 2829-2002 Periodic Inspection Counting Sampling Procedures and Table (applicable to inspection of the process stability) GB/T 3873-1983 General Technical Specifications for Packing of Communications Equipment Products 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, GB/T 9286-1998 Paints and Varnishes-Cross Cut Test for Films GB/T 12507.1-2000 Connectors for optical fibres and cables Part 1: Generic specification, YD/T 778-2006 fiber optic patch panel
Operation Temperature	-25°C to +55°C
Environment Humidity	≤ 93% （+40°C）
Atmospheric Pressure	70 kPa to 106 kPa

Product Model

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

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

Product Model

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

DFGMTUMDE24	G4 Module/2*12-Core MTP to 12D LC, G.657.A2
DFGMTUMDA24	G4 Module/2*12-Core MTP to 12D LC, Bend Insensitive OM3
DFGMTUMDN24	G4 Module/2*12-Core MTP to 12D LC, Bend Insensitive OM4
DFGMTUMDD24	G4 Module/2*12-Core MTP to 12D LC, OM5
DFGMTUMDE12	G4 Module/1*12-Core MTP to 6D LC, G.657.A2
DFGMTUMDA12	G4 Module/1*12-Core MTP to 6D LC, Bend Insensitive OM3
DFGMTUMDN12	G4 Module/1*12-Core MTP to 6D LC, Bend Insensitive OM4
DFGMTUMDD12	G4 Module/1*12-Core MTP to 6D LC, OM5
DFGMPUMDE24	G4 Module/2*12-Core MPO to 12D LC, G.657A.2
DFGMPUMDA24	G4 Module/2*12-Core MPO to 12D LC, Bend Insensitive OM3
DFGMPUMDN24	G4 Module/2*12-Core MPO to 12D LC, Bend Insensitive OM4
DFGMPUMDD24	G4 Module/2*12-Core MPO to 12D LC, OM5
DFGMPUMDN24	G4 Module/2*12-Core MPO-12DLC/BI-OM4
DFGMPUMDD24	G4 Module/2*12-CoreMPO-12DLC/BI-OM5
DFGMPUMDE12	G4 Module/1*12-Core MPO-6DLC/G.657.A2
DFGMPUMDA12	G4 Module/1*12-Core MPO-6DLC/BI-OM3
DFGMPUMDN12	G4 Module/1*12-Core MPO-6DLC/BI-OM4
DFGMPUMDD12	G4 Module/1*12-Core MPO-6DLC/BI-OM5
DFGPDUM06	G4 adapter panel/6-port multimode duplex LC, aqua green
DFGPDUS06	G4 adapter panel/6-port single-mode duplex LC, blue
DFGPDUM12	G4 adapter panel/12-port multimode duplex LC, aqua green
DFGPDUS12	G4 adapter panel/12-port single-mode duplex LC, blue
DFGPSUM06	G4 adapter panel/6-port multimode SC, aqua green
DFGPSUS06	G4 adapter panel/6-port single-mode SC, blue
DFGPSUM12	G4 adapter panel/12-port multimode SC, aqua green
DFGPSUS12	G4 adapter panel/12-port single mode SC, blue
DFGPFUS12	G4 adapter panel/12-port single-mode simplex FC
DFGPMT012	G4 adapter panel/12-port MTP adapter, black (Uscon adapter)
DFGPMT008	G4 adapter panel/8-port MTP adapter, black (Uscon adapter)
DFGPMT006	G4 adapter panel/6-port MTP adapter, black (Uscon adapter)
DFGP00	G4 blind plate
TRAY24	24-core general fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
TRAY-24CB	24-core ultra-thin fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
DFGDFC01	G4 fixed fiber optic patch panel, 1U height, 4 slots
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 adpots 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 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 ternimal 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 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 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 solutions. And the panel is used in conjunction with on-site installed connectors, or for the cabling of pre-installed connecors 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
OFSMTUMDE24	SDF Module/1*12-Core MTP to 12D LC, G.657.A2
OFSMTUMDA24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM3
OFSMTUMDN24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM4
OFSMTUMDD24	SDF Module/1*24-Core MTP to 12D LC, Bend Insensitive OM5
OFSMTUMDE12	SDF Module/1*12-Core MTP to 6D LC, G.657.A2
OFSMTUMDA12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM3
OFSMTUMDN12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM4
OFSMTUMDD12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM5
OFSMPUMDE24	SDF Module/1*24-Core MPO to 12D LC, G.657.A2
OFSMPUMDA24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM3
OFSMPUMDN24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM4
OFSMPUMDD24	SDF Module/1*24-Core MPO to 12D LC, Bend Insensitive OM5
OFSMPUMDE12	SDF Module/1*12-Core MPO to 6D LC, G.657.A2
OFSMPUMDA12	SDF Module/1*12 Core MPO to 6D LC, Bend Insensitive OM3
OFSMPUMDN12	SDF Module/1*12-Core MPO to 6D LC, Bend Insensitive OM4
OFSMPUMDD12	SDF Module/1*12-Core MTP to 6D LC, Bend Insensitive OM5
OFSPDUM06	SDF adapter panel/6*mutil-mode duplex LC, aqua green
OFSPDUS06	SDF adapter panel/6*single-mode duplex LC, blue
OFSPDUM12	SDF adapter panel/12*multimode duplex LC, aqua green
OFSPDUS12	SDF adapter panel/12*single-mode duplex LC, blue
OFSPSUM06	SDF adapter panel/6*multimode simplex SC, aqua green
OFSPSUS06	SDF adapter panel/6*port single-mode duplex SC, blue
OFSPSUM12	SDF adapter panel/12*multimode simplex LC, aqua green
OFSPSUS12	SDF adapter panel/12*single-mode simplex SC, Blue
OFSPFUS12	SDF adapter panel/12* single-mode simplex FC
OFSPMT008	SDF adapter panel/8*MTP adapter, multimode/single-mode (Uscon adapter)
OFSPMT006	SDF adapter panel/6*MTP adapter, multimode/single-mode (Uscon adapter)
OFSGYFP	SDF rack-mounted fiber optic patch panel outdoor cable fixings
OFSP00	SDF blind plate
TRAY24	24-core general fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
TRAY-24CB	24-core ultra-thin fiber splice trays, each of which can accommodate 12-core to 24-core fused pigtails
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
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
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

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
DBPBTTFFE12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
DBPBTTFFA12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM3, Type B, 3m.
DBPBTTFFN12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM4, Type B, 3m.
DBPBTTFFD12H-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-1, OM5, Type B, 3m.
DBPBTTFFE12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
DBPBTTFFA12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM3, Type B, 3m.
DBPBTTFFN12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM4, Type B, 3m.
DBPBTTFFD12L-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, LSZH-3, OM5, Type B, 3m.
DBPBTTFFE12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, G.657.A2, Type B, 3m.
DBPBTTFFA12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM3, Type B, 3m.
DBPBTTFFN12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM4, Type B, 3m.
DBPBTTFFD12R-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNR, OM5, Type B, 3m.
DBPBTTFFE12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, G.657.A2, Type B, 3m.
DBPBTTFFA12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM3, Type B, 3m.
DBPBTTFFN12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM4, Type B, 3m.
DBPBTTFFD12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM5, Type B, 3m.
DBPBTTFFD12P-0030	MTP-MTP Patch Cord, Connector F-F, 12-Core, OFNP, OM5, Type B, 3m.
DBPBPTFFE12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
DBPBPTFFA12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM3, Type B, 3m.
DBPBPTFFN12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM4, Type B, 3m.
DBPBPTFFD12H-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-1, OM5, Type B, 3m.
DBPBPTFFE12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
DBPBPTFFA12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM3, Type B, 3m.
DBPBPTFFN12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM4, Type B, 3m.
DBPBPTFFD12L-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, LSZH-3, OM5, Type B, 3m.
DBPBPTFFE12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, G.657.A2, Type B, 3m.
DBPBPTFFA12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM3, Type B, 3m.
DBPBPTFFN12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM4, Type B, 3m.
DBPBPTFFD12R-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNR, OM5, Type B, 3m.
DBPBPTFFE12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, G.657.A2, Type B, 3m.
DBPBPTFFA12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, OM3, Type B, 3m.
DBPBPTFFN12P-0030	MPO-MPO Patch Cord, Connector F-F, 12-Core, OFNP, OM4, Type B, 3m.
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
DBPBTTMDE12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
DBPBTTMDA12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM3, Type B, 3m.
DBPBTTMDN12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM4, Type B, 3m.
DBPBTTMDD12H-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-1, OM5, Type B, 3m.
DBPBTTMDE12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
DBPBTTMDA12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM3, Type B, 3m.
DBPBTTMDN12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM4, Type B, 3m.
DBPBTTMDD12L-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, LSZH-3, OM5, Type B, 3m.
DBPBTTMDE12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, G.657.A2, Type B, 3m.
DBPBTTMDA12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM3, Type B, 3m.
DBPBTTMDN12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM4, Type B, 3m.
DBPBTTMDD12R-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNR, OM5, Type B, 3m.
DBPBTTMDE12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, G.657.A2, Type B, 3m.
DBPBTTMDA12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM3, Type B, 3m.
DBPBTTMDN12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM4, Type B, 3m.
DBPBTTMDD12P-0030	MTP-LC Branching Patch Cord, MTP Connector F, 12-Core, OFNP, OM5, Type B, 3m.
DBPBPTMDE12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, G.657.A2, Type B, 3m.
DBPBPTMDA12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM3, Type B, 3m.
DBPBPTMDN12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM4, Type B, 3m.
DBPBPTMDD12H-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-1, OM5, Type B, 3m.
DBPBPTMDE12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, G.657.A2, Type B, 3m.
DBPBPTMDA12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM3, Type B, 3m.
DBPBPTMDN12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM4, Type B, 3m.
DBPBPTMDD12L-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, LSZH-3, OM5, Type B, 3m.
DBPBPTMDE12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, G.657.A2, Type B, 3m.
DBPBPTMDA12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM3, Type B, 3m.
DBPBPTMDN12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM4, Type B, 3m.
DBPBPTMDD12R-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNR, OM5, Type B, 3m.
DBPBPTMDE12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, G.657.A2, Type B, 3m.
DBPBPTMDA12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, OM3, Type B, 3m.
DBPBPTMDN12P-0030	MPO-LC Branching Patch Cord, MPO Connector F, 12-Core, OFNP, OM4, Type B, 3m.
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.



Fibercloud Structured Copper Cabling Solutions

Copper Cable Solutions

Cat.6A STP
Cat.6A UTP
Cat.6 STP
Cat.6 UTP
Cat.5e STP
Cat.5e UTP

Copper Patch Cord Solutions

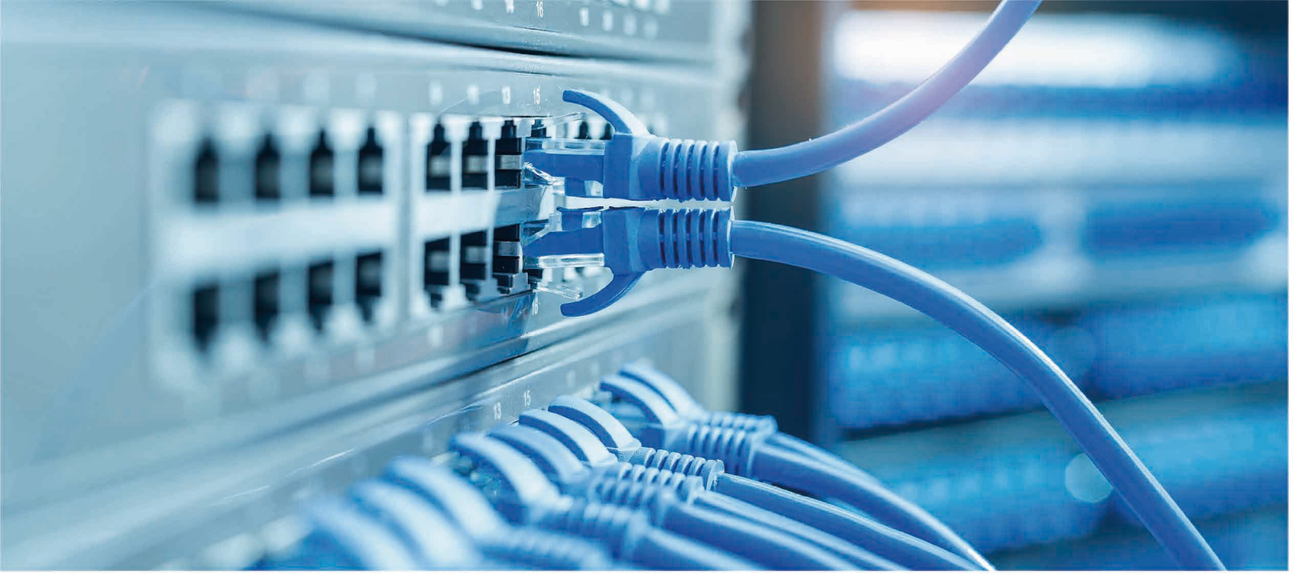
Cat.6A Shielded Patch Cords
Cat.6A Unshielded Patch Cords
Cat.6 Shielded Patch Cords
Cat.6 Unshielded Patch Cords
Cat.5e Shielded Patch Cords

Copper Fittings and Accessories Solutions

Cat.5e Unshielded Patch Cords
Copper Cable Distribution Frames
Cat.6A Shielded Information Module
Cat.6A Unshielded Information Module
Cat 6 Shielded Information Module
Cat 6 Unshielded Information Module
Cat 5e Shielded Information Module
Cat 5e Unshielded Information Module
Cable Management Panel
Copper Faceplate
Fiber Optic Faceplate
Crystal Plug

Voice System Solutions

Cat 3 Indoor Multipair Copper Cables
Cat 5e Indoor Multipair Copper Cables
100-pair 110 Distribution Frames
110-RJ45 Patch Cord
110-110 Patch Cord



Copper Cable Solutions

Cat.6A STP

Applications

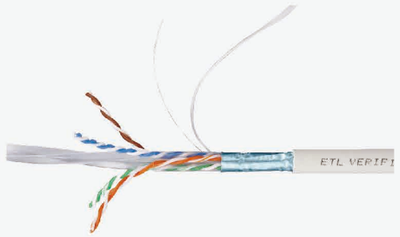
Cat.6A STP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

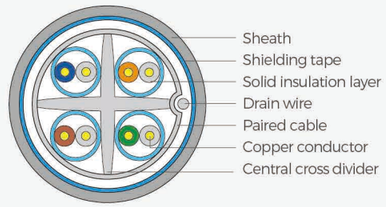
Characteristics

- 23AWG
- Central cross frame structure
- Frequency: 500MHz
- F/UTP, overall shielding with aluminum foil
- Maximum tension: 400N
- Maximum conductor resistance: 75Ω/km
- Insulating material: HDPE

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil, central cross frame structure. S/FTP, general shielding with screen mesh and individual shielding with aluminum foil for each pair.
- Insulation: Foamed PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.





Complied Standards

- Comply with ISO / IEC11801&ANSI/TIA-568.2-D Cat.6A&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-100MHz 100±15Ω 101-250MHz 100±20Ω 251-500MHz 100±25Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20℃ to +60℃ Operation Temperature: -40℃ to +70℃ Cold bending: -20℃×4h no crack
Permissible bending radius during installation	8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km(23AWG) 95Ω/km(24AWG)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CC6AFH13IW004	Cat 6a STP, F/UTP, LSZH-1, 23AWG, White, 305m/axis.
CC6AFCM3BU004	Cat 6a STP, F/UTP, CM, 23AWG, Blue, 305m/axis.
CC6AFCR3BU004	Cat 6a STP, F/UTP, CMR, 23AWG, Blue, 305m/axis.
CC6AFVC3BU004	Cat 6a STP, F/UTP, PVC, 23AWG, Blue, 305m/axis.
CC6AFH33IW004	Cat 6a STP, F/UTP, LSZH-3, 23AWG, White, 305m/axis.
CC6ASH13IW004	Cat 6a STP, S/FTP, LSZH-1, 23AWG, White, 305m/box.
CC6ASCM3BU004	Cat 6a STP, S/FTP, CM, 23AWG, Blue, 305m/box.
CC6ASCR3BU004	Cat 6a STP, S/FTP, CMR, 23AWG, Blue, 305m/box.
CC6ASVC3BU004	Cat 6a STP, S/FTP, PVC, 23AWG, Blue, 305m/box.
CC6ASH33IW004	Cat 6a STP, S/FTP, LSZH-3, 23AWG, White, 305m/box.

Cat.6A UTP

Applications

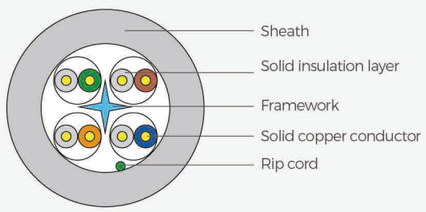
Cat.6A UTP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

- Cat.6A UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The central frame structure separates the twisted pairs to improve crosstalk performance.
- It meets the network transmission requirements for 10 gigabit Ethernet.



Complied Standards

- Comply with ISO/IEC11801&ANSI/TIA-568.2-D Cat. 6A&ULSubject444&YD/T1019 and other related standards. Comply with
- RoHS2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to:IEC 60332-1and IEC60332-3; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-100MHz 100±15Ω 101-250MHz 100±20Ω 251-500MHz 100±25Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km (23AWG, LSZH-1) 85Ω/km (24AWG, CM, PVC)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CC6AUH13IW004	Cat 6a UTP, UTP, LSZH-1, 23AWG, White, 305m/box.
CC6AUCM3BU004	Cat 6a UTP, UTP, CM, 23AWG, Blue, 305m/box.
CC6AUCR3BU004	Cat 6a UTP, UTP, CMR, 23AWG, Blue, 305m/box.
CC6AUVC3BU004	Cat 6a UTP, UTP, PVC, 23AWG, Blue, 305m/box.
CC6AUH33IW004	Cat 6a UTP, UTP, LSZH-3, 23AWG, White, 305m/box.
CC6AUH14IW004	Cat 6a UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
CC6AUCM4BU004	Cat 6a UTP, UTP, CM, 24AWG, Blue, 305m/box.
CC6AUCR4BU004	Cat 6a UTP, UTP, CMR, 24AWG, Blue, 305m/box.
CC6AUVC4BU004	Cat 6a UTP, UTP, PVC, 24AWG, Blue, 305m/box.
CC6AUH34IW004	Cat 6a UTP, UTP, LSZH-3, 24AWG, White, 305m/box.

Cat.6 STP

Applications

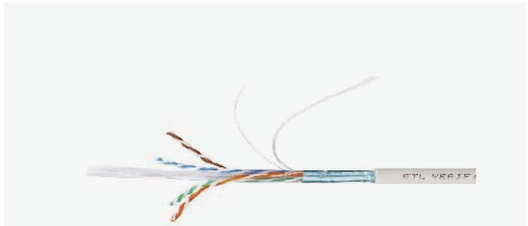
Cat.6 STP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

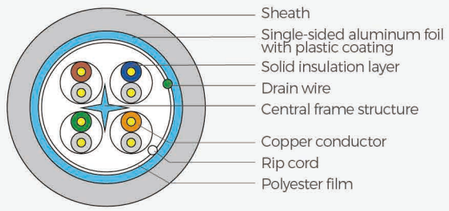
Characteristics

- Cat.6 STP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil, central cross frame structure.
- Insulation: Foamed PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The central frame structure separates the twisted pairs to improve crosstalk performance.
- Lower distortion and latency distinguish its superior performance in the gigabit Ethernet.





Complied Standards

- Comply with ISO/IEC11801&ANSI/TIA-568.2-DCat.6&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-250MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20℃ to +60℃ Operation Temperature: -40℃ to +70℃ Cold bending: -20℃×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	85Ω/km(23AWG)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CCC6FH13IW004	Cat 6 STP, F/UTP, LSZH-1, 23AWG, White, 305m/box.
CCC6FCM3BU004	Cat 6 STP, F/UTP, CM, 23AWG, Blue, 305m/box.
CCC6FCR3BU004	Cat 6 STP, F/UTP, CMR, 23AWG, Blue, 305m/box.
CCC6FVC3BU004	Cat 6 STP, F/UTP, PVC, 23AWG, Blue, 305m/box.
CCC6FH33IW004	Cat 6 STP, F/UTP, LSZH-3, 23AWG, White, 305m/box.

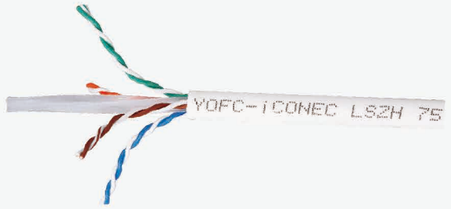
Cat.6 UTP

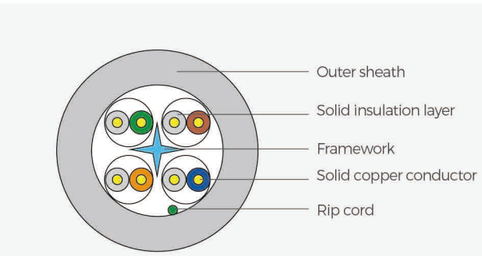
Applications

Cat.6A UTP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

- Cat.6 UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Suitable for all ICT network applications that comply with EN50173-1 and ISO/IEC11801 standards. Applicable to the Power over Ethernet.





Material and Structural Dimensions

- Conductor: Solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.

Complied Standards

- Comply with Cat.6 ISO/IEC11801&TIA/EIA-568.2-D&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-250MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20℃ to +60℃ Operation Temperature: -40℃ to +70℃ Cold bending: -20℃×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km (23AWG, LSZH-1, CM) 89Ω/km (23AWG, LSZH-3, PVC) 93.8Ω/km (24AWG, LSZH-1, CM)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CCC6UH13IW004	Cat 6 UTP, UTP, LSZH-1, 23AWG, White, 305m/box.
CCC6UCM3BU004	Cat 6 UTP, UTP, CM, 23AWG, Blue, 305m/box.
CCC6UCR3BU004	Cat 6 UTP, UTP, CMR, 23AWG, Blue, 305m/box.
CCC6UVC3BU004	Cat 6 UTP, UTP, PVC, 23AWG, Blue, 305m/box.
CCC6UH33IW004	Cat 6 UTP, UTP, LSZH-3, 23AWG, White, 305m/box.
CCC6UH14IW004	Cat 6 UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
CCC6UCM4BU004	Cat 6 UTP, UTP, CM, 24AWG, Blue, 305m/box.
CCC6UCR4BU004	Cat 6 UTP, UTP, CMR, 24AWG, Blue, 305m/box.
CCC6UVC4BU004	Cat 6 UTP, UTP, PVC, 24AWG, Blue, 305m/box
CCC6UH34IW004	Cat 6 UTP, UTP, LSZH-3, 24AWG, White, 305m/box.

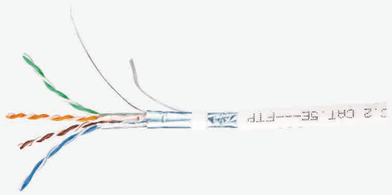
Cat.5e STP

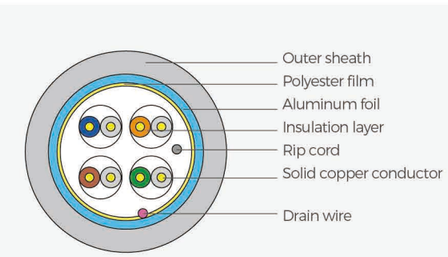
Applications

Cat.5e STP is mainly used for connections in building horizontal cables.

Characteristics

- Cat.5e STP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. General shielding with aluminum foil. With its lightweight structure and excellent shielding performance, it can be used for 100MHz duplex transmission systems. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.





Material and Structural Dimensions

- Conductor: 24AWG solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil,
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.

Complied Standards

- Comply with ANSI/TIA 568.2-D Cat.5e, ISO/IEC 11801, UL, Subject 444 & YD/T1019 and other relevant standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-100MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20℃ to +60℃ Operation Temperature: -40℃ to +70℃ Cold bending: -20℃×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	95Ω/km (LSZH-1) 148Ω/km (CM, PVC)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CC5EFH14IW004	Cat 5e STP, F/UTP, LSZH-1, 24AWG, White, 305m/box.
CC5EFCM4BU004	Cat 5e STP, F/UTP, CM, 24AWG, Blue, 305m/box.
CC5EFCR4BU004	Cat 5e STP, F/UTP, CMR, 24AWG, Blue, 305m/box.
CC5EFVC4BU004	Cat 5e STP, F/UTP, PVC, 24AWG, Blue, 305m/box.
CC5EFH14IW004	Cat 5e STP, F/UTP, LSZH-1, 24AWG, White, 305m/box.

Cat.5e UTP

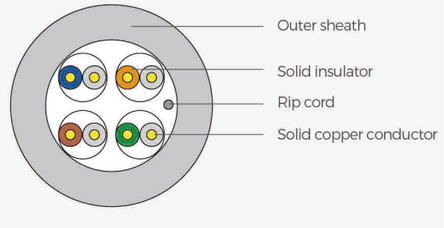
Applications

Cat.5e UTP is mainly used for connections in building horizontal cables.



Characteristics

- Cat.5e UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Suitable for all ICT network applications that comply with EN50173-1 and ISO/IEC11801 standards. Applicable to the Power over Ethernet.



Material and Structural Dimensions

- Conductor: 24AWG solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet.

Complied Standards

- Comply with ANSI/TIA 568.2-D Cat.5e, ISO/IEC 11801, UL, Subject 444 & YD/T1019 and other related standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-100MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20℃ to +60℃ Operation Temperature: -40℃ to +70℃ Cold bending: -20℃×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km (23AWG, LSZH-1, CM) 89Ω/km (23AWG, LSZH-3, PVC) 93.8Ω/km (24AWG, LSZH-1, CM)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
CC5EUH14IW004	Cat 5e UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
CC5EUCM4BU004	Cat 5e UTP, UTP, CM, 24AWG, Blue, 305m/box.
CC5EUCR4BU004	Cat 5e UTP, UTP, CMR, 24AWG, Blue, 305m/box.
CC5EUVC4BU004	Cat 5e UTP, UTP, PVC, 24AWG, Blue, 305m/box
CC5EUH14IW004	Cat 5e UTP, UTP, LSZH-1, 24AWG, White, 305m/box.

Copper Patch Cord Solutions

Cat.6A Shielded Patch Cords

Applications

Cat.6A Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.6A Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design

Material and Structural Dimensions

- Conductor: 26AWG/28AWG multi-strand cable, S/FTP structure
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 500MHz, and it can meet the network transmission requirements for the 10-gigabit Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CP6ASH16IW-020	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
CP6ASH16IW-030	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 3m
CP6ASH16IW-050	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 5m
CP6ASH16IW-100	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 10m.
CP6ASCM6BU-020	Cat 6a Shielded Patch Cord, S/FTP, CM, 26AWG, White, 2m
CP6ASCM6BU-030	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 3m.
CP6ASCM6BU-050	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 5m.
CP6ASCM6BU-100	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 10m.

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

Cat.6A Unshielded Patch Cords

Applications

Cat.6A Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.6A Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.

Material and Structural Dimensions

- Conductor: 26AWG/28AWG multi-strand cable
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 500MHz, and it can meet the network transmission requirements for the 10-gigabit Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CP6AUH16IW-020	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 2m
CP6AUH16IW-030	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 3m
CP6AUH16IW-050	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 5m
CP6AUH16IW-100	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 10m
CP6AUCM6BU-020	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 2m
CP6AUCM6BU-030	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 3m
CP6AUCM6BU-050	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 5m
CP6AUCM6BU-100	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 10m

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

Cat.6 Shielded Patch Cords

Applications

Cat.6A Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.6 Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design

Material and Structural Dimensions

- Conductor: 26AWG multi-strand cable has S/FTP and FTP structures.
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 250MHz, and it can meet the network transmission requirements for the gigabit Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CPC6SH16IW-020	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
CPC6SH16IW-030	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 3m
CPC6SH16IW-050	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 5m
CPC6SH16IW-100	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
CPC6SCM6BU-020	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 2m
CPC6SCM6BU-030	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 3m
CPC6SCM6BU-050	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 5m
CPC6SCM6BU-100	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 10m
CPC6FH16IW-020	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 2m
CPC6FH16IW-030	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 3m
CPC6FH16IW-050	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, white 5 m
CPC6FH16IW-100	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 10m

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

Cat.6 Unshielded Patch Cords

Applications

Cat.6 Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.6 Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.

Material and Structural Dimensions

- Conductor: 24AWG/26AWG/28AWG multi-strand cable with central cross frame structure
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 250MHz, and it can meet the network transmission requirements for the gigabit Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CPC6UH14IW-020	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 2m
CPC6UH14IW-030	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 3m
CPC6UH14IW-050	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 5m
CPC6UH14IW-100	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 10m
CPC6UCM4BU-020	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG Blue, 2m
CPC6UCM4BU-030	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 3m
CPC6UCM4BU-050	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 5m
CPC6UCM4BU-100	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 10m

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

Cat.5e Shielded Patch Cords

Applications

Cat.5e Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.5e Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design.

Material and Structural Dimensions

- Conductor: 26AWG multi-strand stranded cord cable, F/UTP
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1； Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CP5EFH14IW-020	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 2m
CP5EFH14IW-030	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 3m.
CP5EFH14IW-050	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 5m.
CP5EFH14IW-100	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 10m.

CP5EFCM4BU-020	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 2m
CP5EFCM4BU-030	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 3m
CP5EFCM4BU-050	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 5m
CP5EFCM4BU-100	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 10m

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

iCONEC® Copper Fittings and Accessories Solutions

Cat.5e Unshielded Patch Cords

Applications

Cat.5e Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.5e Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.

Material and Structural Dimensions

- Conductor: 24AWG multi-strand stranded cord cable, U/UTP
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet
- Durability ≥1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
CP5EUH14IW-020	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 2m
CP5EUH14IW-030	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 3m
CP5EUH14IW-050	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 5m
CP5EUH14IW-100	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 10m
CP5EUCM4BU-020	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 2m
CP5EUCM4BU-030	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 3m
CP5EUCM4BU-050	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 5m
CP5EUCM4BU-100	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 10m

Copper Cable Distribution Frames

Applications

Mainly applicable to the building low voltage room, and the server cabinet



Characteristics

- 1U Height
- Standard straight and angled versions are available for optimizing cable and space management
- Support the installation of general Keystone information modules
- The cold-rolled steel plate with a thickness of 1.6mm is sprayed with electrostatic powder
- Supplied with supporting accessories for rear cable management



Product Model

Product Model	Product Description
CFDPUNU2401E	Distribution frame/shielded and unshielded general plane-type empty distribution frame, 1U, 24-port, black, without modules
CFDAUNU2401E	Distribution frame/unshielded angled empty distribution frame, 1U, 24-port, black, without modules
CFDAUNF2401E	Distribution frame/shielded angled empty distribution frame, 1U, 24-port, black, without modules
CFDP5EU2401	Cat 5e Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
CFDP5EF2401	Cat 5e Categories Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
CFDPC6U2401	Cat 6 Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
CFDPC6F2401	Cat 6 Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
CFDP6AU2401	Cat 6a Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
CFDP6AF2401	Cat 6a Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped

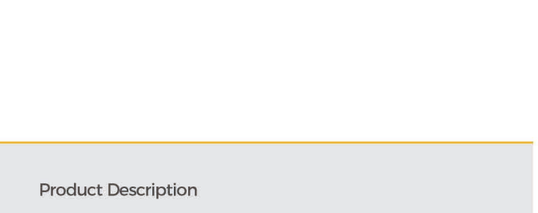
Cat.6A Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy; Terminate solid conductor 22AWG-24AWG
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 100u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Insertion force ≤30N, withdrawal force ≥30N
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ@100V
- Rated DC current: 1.5Amps
- DC resistance: ≤0.1Ω
- Storage temperature: -10 ˚C to 60 ˚C
- Operation Temperature: -10 ˚C to 60 ˚C
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with TIA/EIA-568-C.2, Cat.6A and the information channel performance requirements as defined in ISO/IEC 11801 Class E
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFM6AFRMT	Cat 6a Shielded RJ45 Information Module/180˚ No Wire Bonding/White/Outer Shell of Zinc Alloy

Cat.6A Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.



Characteristics

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Plastic shell: PC material, UL94V-0, white; Terminate solid conductor 22AWG-24AWG
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Insertion force ≤ 20N, withdrawal force ≥ 20N
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ@100V
- Rated DC current: 1.5Amps
- DC resistance: ≤0.1Ω
- Storage temperature: -10 ˚C to 60 ˚C
- Operation Temperature: -10 ˚C to 60 ˚C
- Relative humidity 10%-90%RH

Complied Standards

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFM6AUEIW	Cat 6a Unshielded RJ45 Information Module/180˚ Wire Bonding/White
CFM6AURIW	Cat 6a Unshielded RJ45 Information Module/180˚ No Wire Bonding/White

Cat 6 Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 100u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Plastic shell: PC material, UL94V-0, white
- Insertion force ≤ 30N, withdrawal force ≥ 30N
- 4. PCB board: FR4, with a thickness of 1.6mm
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ@100V
- Rated DC current: 1.5Amps
- DC resistance: ≤0.1Ω
- Storage temperature: -10 ˚C to 60 ˚C
- Operation Temperature: -10 ˚C to 60 ˚C
- Relative humidity 10% - 90%RH



Complied Standards

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFMC6FEMT	Cat 6 Shielded RJ45 Information Module/ 180° Wire Bonding/Steel Casing
CFMC6FRMT	Cat 6 Shielded RJ45 Information Module/180° No Wire Bonding/Outer Shell of Zinc Alloy

Cat 6 Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- Plastic casing: PC material, UL94V-0; Terminate solidconductor 22AWG-24AWG
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: Made of FR-4 with a thickness of 1.6 mm
- Material of contact pins: Phosphor bronze
- Insertion force ≤ 20N, withdrawal force ≥ 20N
- Comply with UL 94V-0 specifications
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ @100V
- Rated DC current: 1.5Amps
- DC resistance: ≤0.1Ω
- Storage temperature: -10 ˚C to 60 ˚C
- Operation Temperature: -10 ˚C to 60 ˚C
- Relative humidity 10% - 90%RH



Complied Standards

- Transmission performance meets: The requirements of Cat 6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFMC6UEIW	Cat 6 Unshielded RJ45 Information Module/ 180° Wire Bonding/White
CFMC6URIW	Cat 6 Unshielded RJ45 Information Module/ 180° No Wire Bonding/White

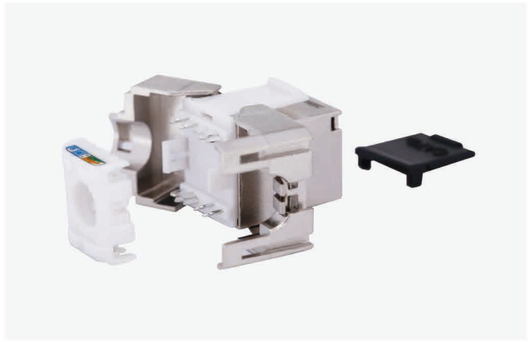
Cat 5e Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy; Support solid or multi-strand cables of 22-24AWG.
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- Maximum contact resistance 20mΩ, IDC maximum contact resistance 2.5mΩ
- Tool-free termination method is adopted to form 8-core wires at once.
- Insertion force ≤ 30N, withdrawal force ≥ 30N
- Durability ≥750 times
- Termination ≥200 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ@100V
- Rated DC current: 1.5Amps
- DC resistance: ≤ 0.1Ω
- Storage temperature: -10 ℃ to 60 ℃
- Operation Temperature: -10 ℃ to 60 ℃
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with channel performance requirements as defined in TIA/EIA-568-C.2-10 Cat.5E and ISO/IEC 11801 Class D
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFM5EFEMT	Cat 5e Shielded RJ45 Information Module/180° Wire Bonding/White/Steel Casing
CFM5EFRMT	Cat 5e Shielded RJ45 Information Module/180° No Wire Bonding/White/Outer Shell of Zinc Alloy

Cat 5e Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- Plastic shell: PC material, UL94V-0, white; Terminate solid conductor 22AWG-24AWG
- Maximum contact resistance 20mΩ, IDC maximum contact resistance 2.5mΩ
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- Insertion force ≤ 20N, withdrawal force ≥ 20N
- Support solid or multi-strand cables of 22-24AWG.
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistence ≥500MΩ @100V
- Rated DC current: 1.5Amps
- DC resistance: ≤ 0.1Ω
- Storage temperature: -10 ℃ to 60 ℃
- Operation Temperature: -10 ℃ to 60 ℃
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with channel performance requirements as defined in TIA/EIA-568-C.2-10 Cat.5E and ISO/IEC 11801 Class D
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
CFM5EUEIW	Cat 5e Unshielded RJ45 Information Module/ 180° Wire Bonding/White
CFM5EURIW	Cat 5e Unshielded RJ45 Information Module/ 180° No Wire Bonding/White

Cable Management Panel

Applications

Suitable for the interior horizontal cable trimming of a standard 19-inch cabinet.



Material and Structural Dimensions

- Different materials like plastic and sheet metal are available.
- The structure is specially designed to protect cables and meet their minimum bending radius.
- 1U height with a compact structure.
- The surface cover can be disassembled to facilitate the management of patch cords. It is beneficial to protect patch cords with the cover.

Product Model

Product Model	Product Description
CFL2401LP	Horizontal Cable Management Panel with the height of 1U, 24-port
CFL1201LP	Horizontal Cable Management Panel with the height of 1U, 12-port

Copper Faceplate

Applications

Applied in working areas, data modules, voice modules, and so on with the support of dual-port and four-port information panels. It can provide the outgoing interface for user terminals (telephones, televisions and computers), which is suitable for multi-type module installation, and applied in the cabling subsystem of working areas.







Material and Structural Dimensions

- Flame-retardant polycarbonate material is adopted, and the flame retardant property can reach UL94V-0
- Have dustproof covers (plain top) designed with swing doors, and transparent label clips.
- Dustproof covers can prevent dust.
- The integrated structure is designed with the front and rear double-layer panels, which may avoid the exposure of fixed screw holes to look good in appearance.
- Smooth-surface design is adopted to increase the matching with high voltage faceplates.
- 86 × 86 series national standard products with a single port, dual ports and four ports are provided
- Conform to domestic functional quality, and support the use of the 86 national standard bottom case.

Product Model

Product Model	Product Description
CFPP1	86-type Single-port Panel
CFPP2	86-type Dual-port Panel
CFPP4	86-type Four-port Panel

Fiber Optic Faceplate

Applications

Applied in working areas, data modules, voice modules, optical fiber modules, and so on with the support of single-port and dual-port information panels. It can provide the outgoing interface for user terminals (telephones, televisions and computers), which is suitable for multi-type module installation, and applied in the cabling subsystem of working areas.



Material and Structural Dimensions

- Flame-retardant polycarbonate material is adopted, and the flame retardant property can reach UL94V-0
- The port is tilted downwards by 45°, and copper modules and fiber optic couplers can be installed.
- Have dustproof covers (plain top) designed with swing doors, and transparent label clips.
- The integrated structure is designed with the front and rear double-layer panels, which may avoid the exposure of fixed screw holes to look good in appearance.
- It can be disassembled on its front face to maintain internal couplers and pigtails without removing screws.
- Smooth-surface design is adopted to increase the matching with high voltage faceplates.



- 86 × 86 series national standard products with a single port and dual ports are provided,
- Conform to domestic functional quality, and support the use of the 86 national standard bottom case.

Product Model

Product Model	Product Description
OFPA1	86-type optical fiber single-port panel, 45° bevel, without the 86 bottom case
OFPA2	86-type optical fiber dual-port panel, 45° bevel, without the 86 bottom case
OPASUA	SC simplex single-mode coupler pair, UPC Long ears, screw fixing
OPASUA	SC simplex multimode coupler pair, UPC Long ears, screw fixing
OPADUD	LC duplex single-mode coupler pair, UPC Long ears, screw fixing, SC shape
OPADUB	LC duplex multimode coupler pair, UPC Long ears, screw fixing, SC shape

Crystal Plug

Applications

A crystal plug is a standardized telecommunication network interface, which can support voice and data transmission.



Characteristics

Tension testing	Durability testing
≥20 pounds	1200 times

Appliance Property

UL application	Withstanding voltage	Contact resistance
250V VOLTS AC, Maximum 2AMPS	1000V VOLTS AC 60 seconds	< 20mΩ

Material

Plastic body	Color	Gold plaque	Gold plating thickness	Copper shell
Polycarbonate UL-94V-0 or UL-94V-2	Transparent, or in accordance with the requirements of customers	Copper alloy	3u to 50u are available.	Copper alloy

Appliance Property

Applicable wire rod
23-26AWG, single-strand and multi-strand

Product Model

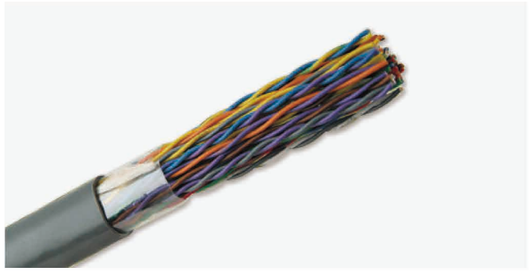
Product Model	Product Description
CFV5EF1	Cat 5e Shielded Crystal Plug 100PCS/Box
CFV5EU1	Cat 5e Unshielded Crystal Plug 100PCS/Box
CFVC6F1	Cat 6 Shielded Crystal Plug 100PCS/Box
CFVC6U1	Cat 6 Unshielded Crystal Plug 100PCS/Box
CFV6AF1	Cat 6a Shielded Crystal Plug 100PCS/Box
CFVC3U2	RJ11 Crystal Plug, Cat 3, 30μ gold-plated layer, 100PCS/box

Voice System Solutions

Cat 3 Indoor Multipair Copper Cables

Applications

Applied in the vertical main subsystem to connect the main voice distribution frame in buildings and voice distribution frames of all floors.



Characteristics

- Conductor: Solid copper conductor, 26AWG
- Sheath: Flame-retardant PVC or halogen-free flame-retardant LSZH
- Meet the network transmission requirements for voice

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001
- LSZH Cable: Flame retardant property conforms to: IEC60332-1; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2; Smoke concentration standard: IEC61034-2
- CMR cables: Comply with UL-1666

Main Technical Parameters

Content	Technical Index
Cable diameter	25 pairs: 8.8±2.0mm 50 pairs: 13.0±2.0mm 100 pairs: 18.0±2.0mm
Maximum DC resistance	≤14.8Ω/100m
Minimum insulation resistance	100MΩ/km
Dielectric strength	500VAC/1min
Operation Temperature	Installation Temperature: 0°C to +70°C Operating temperature: -20°C to +70°C Storage temperature: -20°C to +70°C
Package	305m/box

Product Model

CCC3UVC6IG100	100 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
CCC3UCM6IG100	100 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
CCC3UH16IG100	100 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box
CCC3UVC6IG050	50 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
CCC3UCM6IG050	50 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
CCC3UH16IG050	50 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box
CCC3UVC6IG025	25 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
CCC3UCM6IG025	25 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
CCC3UH16IG025	25 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box

Cat 5e Indoor Multipair Copper Cables

Applications

Applied in the vertical main subsystem to connect the main voice distribution frame in buildings and voice distribution frames of all floors.

Characteristics

- Conductor: Solid copper conductor, 26AWG
- Sheath: Flame-retardant PVC or halogen-free flame-retardant LSZH
- Meet the network transmission requirements for voice

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001
- LSZH Cable: Flame retardant property conforms to: IEC60332-1; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2; Smoke concentration standard: IEC61034-2
- CMR Cable: Comply with UL-1666

Main Technical Parameters

Content	Technical Index
Cable diameter	25 pairs： 11.5 1.0mm
Maximum DC resistance	≤9.38Ω/100m
Minimum insulation resistance	100MΩ/km
Dielectric strength	500VAC/1min
Operation Temperature	Installation Temperature: 0℃ to +70℃ Operating temperature: -20℃ to +70℃ Storage temperature: -20℃ to +70℃
Package	305m/axis

Product Model

Product Model	Product Description
CC5EUVC6IG025	25 pairs of Cat 5e multipair, UTP, PVC, 26AWG, grey, 305m/box
CC5EUCR6IG025	25 pairs of Cat 5e multipair, UTP, CMR, 26AWG, grey, 305m/box
CC5EUH16IG025	25 pairs of Cat 5e multipair, UTP, LSZH-1, 26AWG, grey, 305m/box

100-pair 110 Distribution Frames

Applications

Suitable for cross-connection and consolidation point applications



Characteristics

- Iron plate: The cold-rolled steel plate with a thickness of 1.6mm is sprayed with electrostatic powder, in black and with a height of 1U.
- Fishbone structure material: PC material, fire rating UL 94V-0
- IDC link block material: PC material, fire rating UL 94V-0
- Tab bar material: PC material, fire rating UL 94V-0
- IDC wire bonding terminals: Phosphor bronze, plated with 100u nickel with a thickness of 0.8mm

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Height	1U
Range of wire diameter	24-26AWG
Accessories include	Screws of the cabinet
Temperature	Operating temperature: -10℃ to +60℃ Storage temperature: -10℃ to +60℃

Product Model

Product Model	Product Description
CFY10001	100 pairs of voice distribution frames with backplanes
CFMC3URIW	Voice connection module (including twenty 4-pair and four 5-pair)

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

110-RJ45 Patch Cord

Applications

Suitable for the connection between 110 distribution frames and horizontal distribution frames.



Characteristics

- RJ45 connectors: Complied standard: IEC60603-7
- Tail sheath: Polymer polycarbonate, comply with UL 94V-2
- Flame-retardant level: PVC/CM/LSZH
- Patch cord components assembled by original factories
- Various kinds of length can be provided.

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Wire gauge	24
Outer diameter	1 pair: 3.5±0.2mm/2 pairs: 4.5±0.2mm/4 pairs: 5.5±0.2mm
Color	Grey
Temperature	Installation Temperature: 0℃ to +70℃/Operating temperature: -20℃ to +70℃/Storage temperature: -20℃ to +70℃

Product Model

Product Model	Product Description
CP14VC1020	110 to RJ45 Patch Cord, 1 pair, PVC, 2m
CP14VC2020	110 to RJ45 Patch Cord, 2 pairs, PVC, 2m
CP14VC4020	110 to RJ45 Patch Cord, 4 pairs, PVC, 2m
CP14H11020	110 to RJ45 Patch Cord, 1 pair, LSZH-1, 2m
CP14H12020	110 to RJ45 Patch Cord, 2 pairs, LSZH-1, 2m
CP14H14020	110 to RJ45 Patch Cord, 4 pairs, LSZH-1, 2m
CP14CM1020	110 to RJ45 Patch Cord, 1 pair, CM, 2m
CP14CM2020	110 to RJ45 Patch Cord, 2 pairs, CM, 2m
CP14CM4020	110 to RJ45 Patch Cord, 4 pairs, CM, 2m
CP14CR1020	110 to RJ45 Patch Cord, 1 pair, CMR, 2m
CP14CR2020	110 to RJ45 Patch Cord, 2 pairs, CMR, 2m
CP14CR4020	110 to RJ45 Patch Cord, 4 pairs, CMR, 2m

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

110-110 Patch Cord

Applications

Suitable for the connection between 110 distribution frames.



Characteristics

- Flame-retardant level: PVC/CM/LSZH
- Patch cord components assembled by original factories
- Various kinds of length can be provided.

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Wire gauge	24
Outer diameter	1 pair: 3.5±0.2mm/2 pairs: 4.5±0.2mm/4 pairs: 5.5±0.2mm
Color	Grey
Temperature	Installation Temperature: 0℃ to +70℃/Operating temperature: -20℃ to +70℃/Storage temperature: -20℃ to +70℃

Product Model

Product Model	Product Description
CP11VC1020	110 to 110 Patch Cord, 1 pair, PVC, 2m
CP11VC2020	110 to 110 Patch Cord, 2 pairs, PVC, 2m
CP11VC4020	110 to 110 Patch Cord, 4 pairs, PVC, 2m
CP11H11020	110 to 110 Patch Cord, 1 pair, LSZH-1, 2m
CP11H12020	110 to 110 Patch Cord, 2 pairs, LSZH-1, 2m
CP11H11020	110 to 110 Patch Cord, 4 pairs, LSZH-1, 2m
CP11CM1020	110 to 110 Patch Cord, 1 pair, CM, 2m
CP11CM2020	110 to 110 Patch Cord, 2 pairs, CM, 2m
CP11CM4020	110 to 110 Patch Cord, 4 pairs, CM, 2m
CP11CR1020	110 to 110 Patch Cord, 1 pair, CMR, 2m
CP11CR2020	110 to 110 Patch Cord, 2 pairs, CMR, 2m
CP11CR4020	110 to 110 Patch Cord, 4 pairs, CMR, 2m

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



Structured Fiber Optic Cabling Solutions

Fiber Optic Distribution System

- G1 Fiber Optic Patch Panel
- G2 Fiber Optic Patch Panel
- SDF Rack-mounted Fiber Optic Patch Panel
- SDF Module
- SDF Adapter Panel

Fiber Optic Patch Cords and Pigtails

- Dual-core Uniboot Patch Cord
- LC Duplex Multimode Optical Fiber Patch Cord
- LC Duplex Single-mode Optical Fiber Patch Cord
- Pigtail

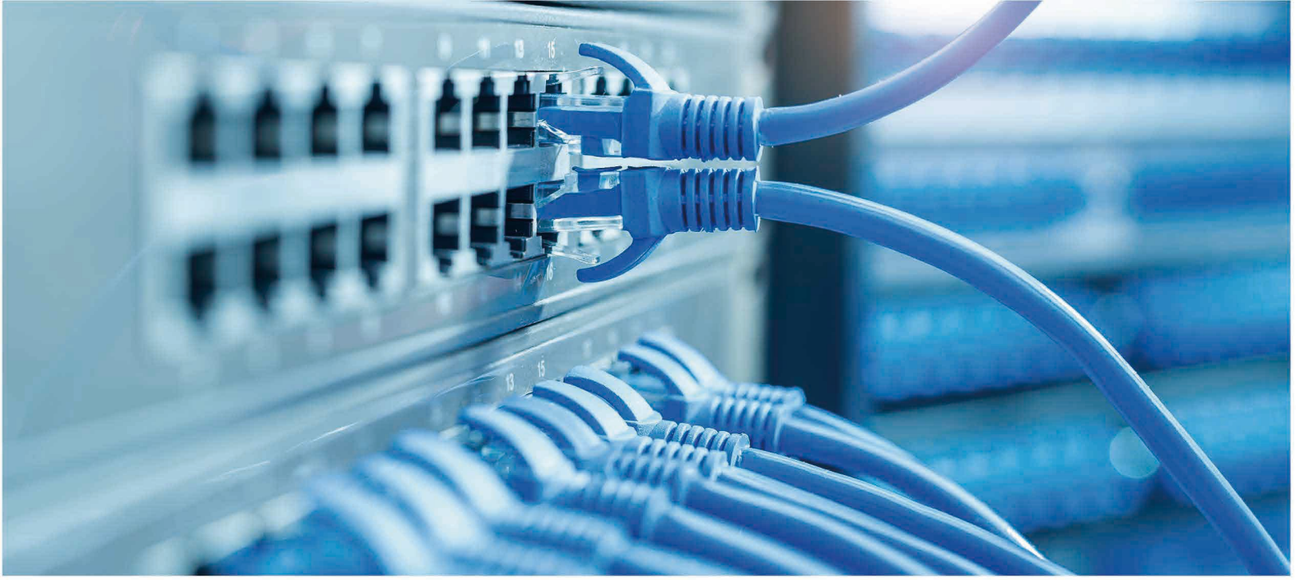
Coupler

Indoor Fiber Optic Cables

- Indoor Fiber Optic Cables ≤24 Cores
- Indoor Optical Fiber Cables >36 Cores

Indoor Fiber Optic Cables

- OCTA
- OCTAZ
- OCTS
- OCTSZ
- OCTN
- OCTNZ
- OCTQ
- OCCK

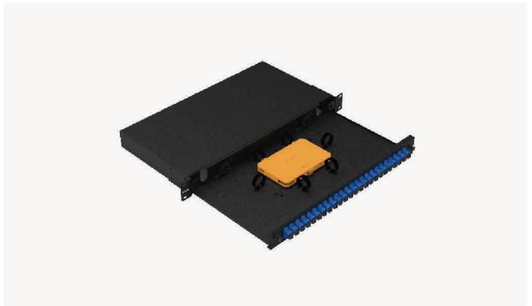


Fiber Optic Distribution System

G1 Fiber Optic Patch Panel

Applications

The G1 fiber optic patch panel adopts a standard 19-inch rack-mounted design, mainly used for optical connection and distribution management in building low voltage rooms, the overall equipment room, and EDA, HDA and other areas of the data center that is splicing-type.



Characteristics

- 1U height, standard 19-inch installation
- Use couplers, and have a maximum capacity of 48 cores
- 12-core, 24-core, 48-core and other versions are available.
- The front panel can be removed as a whole and pulled out
- High-quality cold-rolled steel plate whose surface is sprayed with plastic
- Load a variety of connectors such as LC, FC, ST, SC, etc.
- 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.

Main Technical Parameters

Content	Technical Index
Product Size	482.6mm*251.5mm*44.4mm
Weight	3.5 kg
Height	1U
Color	Black (RAL9005)
Adapter	Fully equipped (with LC 48-core, SC 24-core) on delivery
Accessory configuration	Pyrocondensation protective tube (one for each core), 6 cable ties and 2 wire trimming rings

Product Model

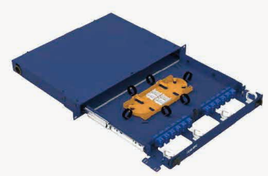
Product Model	Product Description
OFGSSLS01	1U 24-core telescopic-type fiber optic patch panel with simplex SC single-mode coupler and fiber splice tray
OFGSSLM01	1U 24-core telescopic-type fiber optic patch panel with simplex SC multi-mode coupler and fiber splice tray
OFTLSLS01	1U 48-core telescopic-type fiber optic patch panel with duplex LC single-mode coupler and fiber splice tray
OFGLSLM01	1U 48-core telescopic-type fiber optic patch panel with duplex LC multi-mode coupler and fiber splice tray
OFTLSLM01	1U 24-core telescopic-type fiber optic patch panel with simplex SC single-mode coupler and fiber splice tray
OFTSSLM01	1U 24-core telescopic-type fiber optic patch panel with simplex SC multi-mode coupler and fiber splice tray
OFTLSLS01	1U 24-core telescopic-type fiber optic patch panel with duplex LC single-mode coupler and fiber splice tray
OFTLSLM01	1U 24-core telescopic-type fiber optic patch panel with duplex LC multi-mode coupler and fiber splice tray
OFPLSLS01	1U 12-core telescopic-type fiber optic patch panel with duplex LC single-mode coupler and fiber splice tray
OFPLSLM01	1U 12-core telescopic-type fiber optic patch panel with duplex LC multi-mode coupler and fiber splice tray
OFPFSLS01	G1 rack-mounted fiber optic patch panel/1U/telescopic-type/12 core fusion/including 12FC small-d single-mode adapters/12 adapter hole plugs/1 24 core fiber splice tray
OFTFSLS01	G1 rack-mounted fiber optic patch panel/1U/telescopic-type/e/24 core fusion/including 24 FC small-d single-mode adapters/1 24 core fiber splice tray
OFPFSLM01	G1 rack-mounted fiber optic patch panel/1U/telescopic-type/12 core fusion/including 12FC small-d multi-mode adapters/12 adapter hole plugs/1 24 core fiber splice tray
OFTFSLM01	G1 rack-mounted fiber optic patch panel/1U/telescopic-type/e/24 core fusion/including 24 FC small-d multi-mode adapters/1 24 core fiber splice tray
OFTTFCS01	Fiber optic patch panel/1U/24 core fusion/including 24 ST small-d single-mode adapters/1 24 core fiber splice tray

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

G2 Fiber Optic Patch Panel

Applications

The G2 fiber optic patch panel adopts a standard 19-inch rack-mounted design, mainly used for optical connection and distribution management in building low voltage rooms, the overall equipment room, and EDA、HDA and other areas of the data center that is splicing-type.



Characteristics

- 1U height, 2 slots, standard 19-inch installation
- Sliding pull-out, with adapter panels, maximum capacity of 48 cores
- Cold-rolled steel plate whose surface is sprayed with plastic
- Load a variety of connectors such as LC, FC, ST, SC, etc.
- 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.

Main Technical Parameters

Content	Technical Index
Product Size	482.6mm*413.4mm*44mm
Weight	5.5 kg
Height	1U
Color	Blue (RAL5015)
Adapter	The adapter panel should be purchased separately (12-core, 24-core).
Accessory configuration	Pyrocondensation tubes (one for each core), 6 cable ties, 6 hook & loop fasteners and 4 wire trimming rings
Front panel	Equipped with the front wiring management baffle, wire management rings and wire-out ports on both sides

Product Model

Product Model	Product Description
OFGPSUS06	G2 Fiber Optic Patch Panel, SC Simplex Adapter Panel, 12-Core Single Mode
OFGPSUM06	G2 Fiber Optic Patch Panel, SC Simplex Adapter Panel, 12-Core Multi-Mode
OFGPDUS06	G2 Fiber Optic Patch Panel, LC Duplex Adapter Panel, 12-Core Single Mode
OFGPDUM06	G2 Fiber Optic Patch Panel, LC Duplex Adapter Panel, 12-Core Multi-Mode
OFGPSUS12	G2 Fiber Optic Patch Panel, SC Duplex Adapter Panel, 24-Core Single Mode
OFGPSUM12	G2 Fiber Optic Patch Panel, SC Duplex Adapter Panel, 24-Core Multi-Mode
OFGPDUS12	G2 Fiber Optic Patch Panel, LC Duplex Adapter Panel, 24-Core Single Mode
OFGPDUM12	G2 Fiber Optic Patch Panel, LC Duplex Adapter Panel, 24-Core Multi-Mode
OFHDSL01	G2 Fiber Optic Patch Panel, 1U, 2-vacancy empty frame, with fiber splice trays, the maximum capacity of 48 cores
OFGP00	G2 Fiber Optic Patch Panel Blind Plate
OFGPFUS12	G2 adapter panel / 12 port / single mode / FC adapter

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

SDF Rack-mounted Fiber Optic Patch Panel

According to the demand of structured cabling construction for buildings and campuses, YOFC introduces iCONEC® SDF rack-mounted fiber optic patch panel into which MTP plug-and-play modules can be integrated as needed. The high-density and modular design is economical and can reduce the number of patch panels to be installed, saving rack space.





Applications

- Main cross-connection, intermediate cross-connection and the connection between telecommunication devices.
- The installation of racks or equipment cabinets adpots high-density optic cables that have a large number of cores for cross-connection.

Characteristics

- Modular design and 19-inch rack installation make it convenient for later expansion
- High-density design. 1U/4U can accommodate 72/288 cores (LC adapter) or 216/864 cores (MTP adapter)
- Multiple optical cable incoming positions and patch cord exits for easy operation and management
- The durable front door made of organic glass for easy inspection and maintenance.
- New extended deep structure provides sufficient operating space
- Meet TIA/EIA 604-5-D-2007, IEC61754-7-2008 series standards

Product Model

Product Model	Product Description
OFSDFC01	SDF Rack-mounted Fiber Optic Patch Panel (empty)/1U/Fixed Cabinet/Max 3 SDF Series MTP-DLC Modules/Panel/Blind Plates/Max 72-Core (DLC)
OFSDFB01	SDF Rack-mounted Fiber Optic Patch Panel (empty)/1U/Cable Tray Hoisting Fixed/Max 3 SDF Series MTP-DLC Modules/Panel/Blind Plates/Max 72-Core (DLC)
OFSDFC04	SDF Rack-mounted Fiber Optic Patch Panel (empty)/4U/Fixed Cabinet/Max 12 SDF Series MTP-DLC Modules/Panel/Blind Plates/Max 288-Core (DLC)
TRAY24	24-corefiber splice trayregular typel / overall dimension 223 * 107 * 12mm / installation hole spacing 150mm

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

SDF Module

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 ternimal 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

- Used for the modular installation of the iCONEC® SDF rack-mounted fiber optic patch panel. The patch cords that lead the trunk cables to electronic devices or customers' telecommunications outlets can provide terminal connection to realize structured cabling between trunk cables and the distribution area.

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
- Meet TIA/EIA 604-5-D-2007, IEC61754-7-2008 series standards

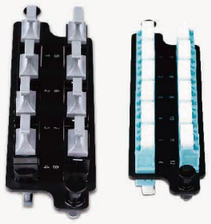
Product Model

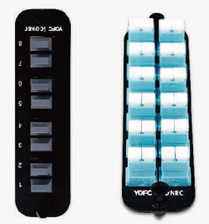
Product Model	Product Description
OFSMTUMDE24	SDF Module/2*12-Core MTP to 12D LC/G.657.A2
OFSMTUMDA24	SDF Module/2*12-Core MTP-12D LC/BI-OM3
OFSMTUMDN24	SDF Module/2*12-Core MTP-12D LC/BI-OM4
OFSMTUMDD24	SDF Module/2*12-Core MTP-12D LC/BI-OM5
OFSMTUMDE12	SDF Module/1*12-Core MTP to 6D LC/G657.A2
OFSMTUMDA12	SDF Module/1*12-Core MTP-6D LC/BI-OM3
OFSMTUMDN12	SDF Module/1*12-Core MTP-6D LC/BI-OM4
OFSMTUMDD12	SDF Module/1*12-Core MTP to 6D LC, BI-OM5
OFSMPUMDE24	SDF Module/2*12-Core MTP to 12D LC/G657.A2
OFSMPUMDA24	SDF Module/2*12-Core MPO-12D LC/BI-OM3
OFSMPUMDN24	SDF Module/2*12-Core MPO-12D LC/BI-OM4
OFSMPUMDD24	SDF Module/2*12-Core MPO-12D LC/BI-OM5
OFSMPUMDE12	SDF Module/1*12-Core MTP to 6D LC/G.657.A2
OFSMPUMDA12	SDF Module/1*12-Core MTP-6D LC/BI-OM3
OFSMPUMDN12	SDF Module/1*12-Core MTP-6D LC/BI-OM4
OFSMPUMDD12	SDF Module/1*12-Core MTP-6D LC/BI-OM5

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

SDF Adapter Panel

The 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, 24-core and 72-core products are available for supporting the use of the hardware products in solutions. And the panel is used in conjunction with on-site installed connectors, or for the cabling of pre-installed connecors directly from devices to interconnected hardware.





Applications

- Used for structured cabling solutions for buildings and campuses to enable the connection and deployment of patch cords and pigtails between equipment and within patch panels

Characteristics

- High-density port management. A single adapter panel can be configured with 12 LC ports and 6/8 SC adapter ports 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
- Easily upgrade to 40/100G network without changing fiber management architecture
- Meet TIA/EIA 604-5-D-2007, IEC61754-7-2008 series standards

Product Model

Product Model	Product Description
OFSPDUM06	SDF adapter panel/6-port mutil-mode duplex LC/aqua green
OFSPDUS06	SDF adapter panel/6-port single-mode duplex LC/blue
OFSPDUM12	SDF adapter panel/12-port multimode duplex LC/aqua green
OFSPDUS12	SDF adapter panel/12-port single-mode duplex LC/blue
OFSPSUM06	SDF adapter panel/6-port multimode simplex SC/aqua green
OFSPSUS06	SDF adapter panel/6-port single-mode simplex SC/blue
OFSPSUM12	SDF adapter panel/12-port multimode simplex SC/aqua green
OFSPSUS12	SDF adapter panel/12-port single-mode simplex SC/blue
OFSPFUS12	SDF adapter panel/12-port single-mode simplex FC
OFSPMT006	SDF adapter panel/6-port MTP adapter/black
OFSPMT008	SDF adapter panel/8-port MTP adapter/black
OFSPMP006	SDF adapter panel/6-port MPO adapter/black
OFSPMP008	SDF adapter panel/8-port MPO adapter/black
OFSP00	SDF blind plate
OFSGYFP	SDF patch panel outdoor cable fixture

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



Dual-core Uniboot Patch Cord

The dual-core Uniboot patch cord integrates two optical fibers into a 2.0mm or 3.0mm optical cable, increasing the cable management capability of the pre-terminated system



Applications

- Optical fiber connection between patch panels, connection between patch panels and peripheral equipment

Characteristics

- Use miniaturized circular 2-core optical cables
- Use duplex integrated tail sleeve connectors for easy construction
- Standard simplex/duplex LC connectors, SC/FC connectors that can be customized
- Factory pre-termination, 100% tested to ensure transmission performance
- Fast configuration and networking to reduce on-site installation time.
- Rapid upgrading to support parallel transmission system applications
- Cable length can be customized
- Outer sheath material is available in PVC, LSZH and other materials
- Optical cable materials meet OFNR and OFNP

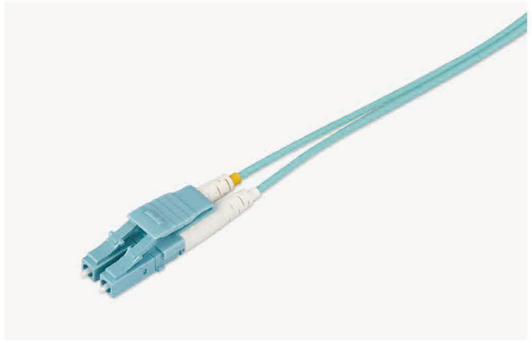
Optical Fiber Performance

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

LC Duplex Multimode Optical Fiber Patch Cord

Applications

Patch cord connection of terminal equipment in single-mode systems



Characteristics

- Insertion loss ≤0.2dB; Return loss ≥55dB
- Cable outer diameter ≤2.0mm
- Operating temperature: -20 ℃ to -60 ℃
- Use G.657.A2 optical fiber
- The connector uses ceramic ferrule
- Varied kinds of length like 1m/2m/3m/5m/10m are available. It can also be tailored according to customers' needs.

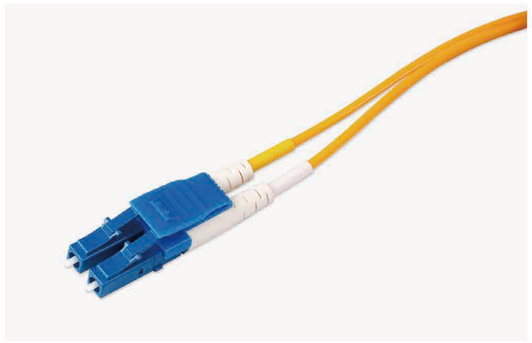
Complied Standards

- Meet ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Certified by Telcordia GR-326-CORE

LC Duplex Single-mode Optical Fiber Patch Cord

Applications

Patch cord connection of terminal equipment in single-mode systems



Characteristics

- Insertion loss ≤0.2dB; Return loss ≥55dB
- Cable outer diameter ≤2.0mm
- Operating temperature: -20 ℃ to -60 ℃
- Use G.657.A2 optical fiber
- The connector uses ceramic ferrule
- Varied kinds of length like 1m/2m/3m/5m/10m are available. It can also be tailored according to customers' needs.

Complied Standards

- Meet ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Certified by Telcordia GR-326-CORE

Pigtail

Applications

Optical systems that adopt fiber splicing method.



Characteristics

- LC, SC, FC and other types of pigtails are available.
- Outer diameter: 0.9mm
- Low smoke-intensity, halogen-free (LSZH) sheath
- Temperature: -20 ℃ to -60 ℃

Complied Standards

- Meet ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Certified by Telcordia GR-326-CORE
- Comply with the flame-retardant standard in IEC60332-1. Comply with IEC 60754- 2 in terms of gas emission, and IEC61034-2 in terms of halogen-free emission.



Product Model

Product Model	Product Description
Single-tube dual-core patch cord/outer diameter 2.0mm	
OP0DUDUEH21H-0020	bending resistant single-mode single-strand dual-core patch cord/LC/UPC-LC/UPC/Φ2.0/LSZH/2m
OP0DUDUAM21H-0020	bending resistant multi-mode multi-strand dual-core patch cord/LC/UPC-LC/UPC /BI-OM3/Φ2.0/LSZH/2m
OP0DUDUNM21H-0020	bending resistant multi-mode multi-strand dual-core patch cord/LC/UPC-LC/UPC /BI-OM4/Φ2.0/LSZH/2m
OP0DUDUEH21R-0020	bending resistant single-mode single-strand dual-core patch cord/LC/UPC-LC/UPC/Φ2.0/OFNR/2m
OP0DUDUAM21R-0020	bending resistant multi-mode multi-strand dual-core patch cord/LC/UPC-LC/UPC/BI-OM3/Φ2.0/OFNR/2m
OP0DUDUNM21R-0020	bending resistant multi-mode multi-strand dual-core patch cord/LC/UPC-LC/UPC/BI-OM4/Φ2.0/OFNR/2m
Double-strand (dual-core) patch cord/outer diameter 2.0mm/LSZH	
OP0SUSUEH22H-0020	bending resistant single-mode dual-core patch cord/SC/UPC-SC/UPC/Φ2.0/LSZH/2m
OP0SUSUAM22H-0020	bending resistant multi-mode dual-core patch cord/SC/UPC-SC/UPC/BI-OM3/Φ2.0/LSZH/2m
OP0SUSUNM22H-0020	bending resistant multi-mode dual-core patch cord/SC/UPC-SC/UPC/BI-OM4/Φ2.0/LSZH/2m
OP0DUDUEH22H-0020	bending resistant single-mode dual-core patch cord/LC/UPC-LC/UPC /Φ2.0/LSZH/2m
OP0DUDUAM22H-0020	bending resistant multi-mode dual-core patch cord/LC/UPC-LC/UPC/BI-OM3/Φ2.0/LSZH/2m
OP0DUDUNM22H-0020	bending resistant multi-mode dual-core patch cord/LC/UPC-LC/UPC/BI-OM4/Φ2.0/LSZH/2m
Single-core pigtail/outer diameter 0.9mm/LSZH	
OP0SU00EH09H-0010	bending resistant single-mode single-core pigtail/SC/UPC/Φ0.9/LSZH/1m
OP0SU00EH09H-0010	bending resistant single-mode single-core pigtail/SC/UPC/Φ0.9/LSZH/1m
OP0FU00EH09H-0010	bending resistant single-mode single-core pigtail/FC/UPC/Φ0.9/LSZH/1m
OP0TU00EH09H-0010	bending resistant single-mode single-core pigtail/ST/UPC/Φ0.9/LSZH/1m
OP0LU00EH09H-0010	bending resistant single-mode single-core pigtail/LC/UPC/Φ0.9/LSZH/1m
OP0SU00BM09H-0010	bending resistant multi-mode single-core pigtail/SC/UPC/OM2+/Φ0.9/LSZH/1m
OP0FU00BM09H-0010	bending resistant multi-mode single-core pigtail/FC/UPC/OM2+/Φ0.9/LSZH/1m
OP0TU00BM09H-0010	bending resistant multi-mode single-core pigtail/ST/UPC/OM2+/Φ0.9/LSZH/1m
OP0LU00BM09H-0010	bending resistant multi-mode single-core pigtail/LC/UPC/OM2+/Φ0.9/LSZH/1m
OP0SU00AM09H-0010	bending resistant multi-mode single-core pigtail/SC/UPC/BI-OM3/Φ0.9/LSZH/1m
OP0FU00AM09H-0010	bending resistant multi-mode single-core pigtail/FC/UPC/BI-OM3/Φ0.9/LSZH/1m
OP0TU00AM09H-0010	bending resistant multi-mode single-core pigtail/ST/UPC/BI-OM3/Φ0.9/LSZH/1m
OP0LU00AM09H-0010	bending resistant multi-mode single-core pigtail/LC/UPC/BI-OM3/Φ0.9/LSZH/1m
OP0SU00NM09H-0010	bending resistant multi-mode single-core pigtail/SC/UPC/BI-OM4/Φ0.9/LSZH/1m
OP0FU00NM09H-0010	bending resistant multi-mode single-core pigtail/FC/UPC/BI-OM4/Φ0.9/LSZH/1m
OP0TU00NM09H-0010	bending resistant multi-mode single-core pigtail/ST/UPC/BI-OM4/Φ0.9/LSZH/1m
OP0LU00NM09H-0010	bending resistant multi-mode single-core pigtail/LC/UPC/BI-OM4/Φ0.9/LSZH/1m



Coupler

A fiber optic adapter is a component that connects two fiber optic connectors. The fiber is precisely positioned through a ceramic sleeve to realize low-loss internal connection. SC/FC/L-C/ST/MU/MTP/MPO and conversion adapters are also available.

Characteristics

- Plastic shell
- Insertion loss ≤0.2dB
- Durability ≥1000 times
- Ceramic ferrule

Complied Standards

- Comply with the standard in IEC 61754-20 and YD/T1272.1-2003



SC simplex



LC duplex

Technical Parameter

Type of optical fiber connectors	LC, SC	
Optical fiber	Single-mode	Multi-mode
Insertion Loss (dB)	Typical value 0.20, maximum value 0.30	Typical value 0.20, maximum value 0.30
Working environment (°C)	-40 to +75	-40 to +75
Environmental protection	Meet the requirements of RoHS	Meet the requirements of RoHS

Product Model

Product Model	Product Description
OPALUD	LC duplex single-mode coupler
OPALUB	LC duplex multimode coupler
OPASUA	SC simplex multimode coupler
OPASUS	SC simplex single-mode coupler



Indoor Fiber Optic Cables

Indoor Optical Fiber Cables ≤ 24 Cores

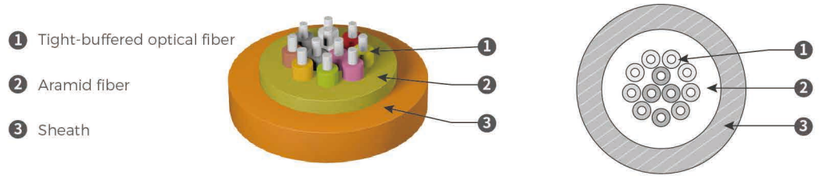
Several strands of Φ900μm tight-buffered optical fiber with flame retardant material are the optical transmission medium of the multi-function wiring optical cable. The cable is covered with a layer of aramid fiber, which aims to enhance its capacity of bearing stress. The outermost sheath is made from polyvinyl chloride (PVC) or low smoke-intensity, halogen-free material (LSZH, low smoke-intensity, halogen-free, flame-retardant).



Applications

- Indoor structured cabling
- The backbone wring cable of the building
- Multi-core optical fiber active connection patch cord

Structural Diagram



Characteristics

- Use tight-buffered optical fiber, which is easy to be peeled off
- Tight-buffered optical fiber are flame-retardant
- Reinforced components made from aramid can make optical fiber have good tensile resistance
- The outer sheath materials are corrosion-resistant, waterproof, ultraviolet resistant, flame-retardant and environment-friendly

Main Technical Parameters

Fiber Type	Wavelength Rrange(nm)	Optical Fiber Attenuation(dB/km)	Full Injection Bandwidth(MHz.km)	Effective Mode Bandwidth(MHz.km)	Minimum Bending Radius(nm)
G.652.D	1310/1550	0.36/0.25	—	—	16
G.657.A2	1310/1550	0.36/0.25	—	—	7.5
OM4(Ala.3)	850/1300	3.0/1.0	3500/500	≥4700@850nm	7.5
OM5(Ala.4)	850/953/1300	3.0/2.0/1.0	3500/1850/500	≥4700@850nm	7.5

Geometric Parameters of the Optical Fiber Cable

Project		Description					
		2	4	6	8	12	24
Tight-buffered optical fiber	Material	LSZH					
	Outer diameter	0.85±0.05					
Reinforcer	Material	Aramid yarn					
Sheath	Material	LSZH					
	Color	G.652.D/G.657.A1/G.657.A2 yellow OM1/OM2 orange OM3/OM4 aqua					
Optical cable diameter (mm)		4.2±0.2	5.0±0.2	5.5±0.2	6.0±0.2	6.5±0.2	8.5±0.2
Reference weight of optical fiber cable (kg/km)		12	18	24	31	37	65

Tight-buffered Optical Fiber Color Spectrum

Serial number	Product Description											
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Dark green
Serial number	13	14	15	16	17	18	19	20	21	22	23	24
Color	Blue +color ring	Orange +color ring	Green +color ring	Brown +color ring	Grey +color ring	White +color ring	Red +color ring	Black +color ring	Yellow +color ring	Purple +color ring	Pink +color ring	Dark green +color ring

Mechanical and Environmental Characteristics

Project		Description	
Tensile strength	IEC60794-1-2 Method E1	Short-term	2/4/6/8/12 cores: 600N
—	—		24 cores: 1320N
		Long-term	2/4/6/8/12 cores: 200N 24 cores: 400N
Crush resistance	IEC60794-1-2 Method E3	Short-term	1000N/10cm
		Long-term	300N/10cm
Impact force	IEC60794-1-2 Method E4	No evident attenuation of accessories	
Alternating bending	IEC60794-1-2 Method E6		
Torsion	IEC60794-1-2 Method E7		
Temperature	IEC60794-1-2 Method F1	20℃ to +60℃ (transport/storage/operating temperature) -5℃ to+50℃ (installation temperature)	
Minimum bending radius	Static	10 times of the outer diameter of optical fiber cable	
	Dynamic	20 times of outer diameter of optical fiber cable	

Package

- Packed in wooden plates. Proper tools should be used in transportation to avoid damage to the package and to facilitate handling.
- Keep dry; Keep away from high temperature and sparks; Avoid overbending and extrusion; Avoid mechanical stress and damage.

Printed Label

- In case of free of other requirements, the requirements for the printed label are as follows:
- Color: Black
- Content: Manufacturer, model, date, meter
- Printed label interval: 1m

Supply Length

- Standard length is 2km/plate

Product Model

Product Model	Product Description
OIMPDCH1***S	Indoor single-mode * core-bunched cable, G.652.D, LSZH-1, 9/125μm
OIMPDCH3***S	Indoor single-mode * core-bunched cable, G.652.D, LSZH-3, 9/125μm

OIMPDCNR***S	Indoor single-mode * core-bunched cable, G.652.D, OFNR, 9/125μm
OIMPDCNP***S	Indoor single-mode * core-bunched cable, G.652.D, OFNP, 9/125μm
OIMPDCVC***S	Indoor single-mode * core-bunched cable, G.652.D, PVC, 9/125μm
OIMPDCH1***E	Indoor single-mode *core-bunched cable, G. 657.A2, LSZH-1, 9/125μm
OIMPDCH3***E	Indoor single-mode * core-bunched cable, G.657.A2, LSZH-3, 9/125μm
OIMPDCNR***E	Indoor single-mode * core-bunched cable, G.657.A2, OFNR, 9/125μm
OIMPDCNP***E	Indoor single-mode * core-bunched cable, G.657.A2, OFNP, 9/125μm
OIMPDCVC***E	Indoor single-mode * core-bunched cable, G.657.A2, PVC, 9/125μm
OIMPDCH1***F	Indoor single-mode * core-bunched cable, G.657.B3, LSZH-1, 9/125μm
OIMPDCH3***F	Indoor single-mode * core-bunched cable, G.657.B3, LSZH-3, 9/125μm
OIMPDCNR***F	Indoor single-mode * core-bunched cable, G.657.B3, OFNR, 9/125μm
OIMPDCNP***F	Indoor single-mode * core-bunched cable, G.657.B3, OFNP, 9/125μm
OIMPDCVC***F	Indoor single-mode * core-bunched cable, G.657.B3, PVC, 9/125μm
OIMPDCH1***M	Indoor multimode * core-bunched cable, OM1, LSZH-1, 62.5/125μm
OIMPDCH3***M	Indoor multimode * core-bunched cable, OM1, LSZH-3, 62.5/125μm
OIMPDCNR***M	Indoor multimode * core-bunched cable, OM1, OFNR, 62.5/125μm
OIMPDCNP***M	Indoor multimode * core-bunched cable, OM1, OFNP, 62.5/125μm
OIMPDCVC***M	Indoor multimode * core-bunched cable, OM1, PVC, 62.5/125μm
OIMPDCH1***B	Indoor multimode * core-bunched cable, OM2, LSZH-1, 50/125μm
OIMPDCH3***B	Indoor multimode * core-bunched cable, OM2, LSZH-3, 50/125μm
OIMPDCNR***B	Indoor multimode * core-bunched cable, OM2, OFNR, 50/125μm
OIMPDCNP***B	Indoor multimode * core-bunched cable, OM2, OFNP, 50/125μm
OIMPDCVC***B	Indoor multimode * core-bunched cable, OM2, PVC, 50/125μm
OIMPDCH1***A	Indoor multimode * core-bunched cable, OM3, LSZH-1, 50/125μm
OIMPDCH3***A	Indoor multimode * core-bunched cable, OM3, LSZH-3, 50/125μm
OIMPDCNR***A	Indoor multimode * core-bunched cable, OM3, OFNR, 50/125μm
OIMPDCNP***A	Indoor multimode * core-bunched cable, OM3, OFNP, 50/125μm
OIMPDCVC***A	Indoor multimode * core-bunched cable, OM3, PVC, 50/125μm
OIMPDCH1***N	Indoor multimode * core-bunched cable, OM4, LSZH-1, 50/125μm
OIMPDCH3***N	Indoor multimode * core-bunched cable, OM4, LSZH-3, 50/125μm
OIMPDCNR***N	Indoor multimode * core-bunched cable, OM4, OFNR, 50/125μm
OIMPDCNP***N	Indoor multimode * core-bunched cable, OM4, OFNP, 50/125μm
OIMPDCVC***N	Indoor multimode * core-bunched cable, OM4, PVC 50/125μm
OIMPDCH1***D	Indoor multimode * core-bunched cable, OM5, LSZH-1, 50/125μm
OIMPDCH3***D	Indoor multimode * core-bunched cable, OM5, LSZH-3, 50/125μm
OIMPDCNR***D	Indoor multimode * core-bunched cable, OM5, OFNR, 50/125μm
OIMPDCNP***D	Indoor multimode * core-bunched cable, OM5, OFNP, 50/125μm
OIMPDCVC***D	Indoor multimode * core-bunched cable, OM5, PVC, 50/125μm

NOTES: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.

Indoor Optical Fiber Cables > 36 Cores

Several strands of Φ900μm tight-buffered optical fiber with flame retardant material are the optical transmission medium of the multi-function wiring optical cable. The cable is covered with a layer of aramid fiber, which aims to enhance its capacity of bearing stress. The outermost sheath is made from polyvinyl chloride (PVC) or low smoke-intensity, halogen-free material (LSZH, low smoke-intensity, halogen-free, flame-retardant).

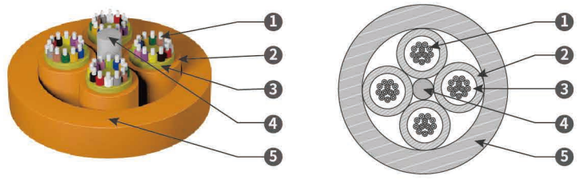


Applications

- Indoor structured cabling
- The backbone wring cable of the building
- Multi-core optical fiber active connection patch cord

Structural Diagram

1. 250mm optical fiber
2. Subunit
3. Aramid fiber
4. Central strength member
5. Sheath



Characteristics

- Use tight-buffered optical fiber, which is easy to be peeled off
- Tight-buffered optical fiber are flame-retardant
- Reinforced components made from aramid can make optical fiber have good tensile resistance
- The outer sheath materials are corrosion-resistant, waterproof, ultraviolet resistant, flame-retardant and environment-friendly

Complied Standards

- The product conforms to standards of Bellcore GR-409-CORE and ANSI/TIA/EIA-568-C
- LSZH fiber optic cables conform to the standard of IEC 60332-3-24 in terms of the flame-retardant property, to IEC 60754-2 in terms of gas emission, and to the standard of IEC 61034-2 in terms of low smoke-intensity and halogen-free emission

Main Technical Parameters

Fiber Type	Wavelength Rrange(nm)	Optical Fiber Attenuation(dB/km)	Full Injection Bandwidth(MHz.km)	Effective Mode Bandwidth(MHz.km)	Minimum Bending Radius(nm)
G.652.D	1310/1550	0.36/0.25	—	—	16
G.657.A2	1310/1550	0.36/0.25	—	—	7.5
OM4(Ala.3)	850/1300	3.0/1.0	3500/500	≥4700@850nm	7.5
OM5(Ala.4)	850/953/1300	3.0/2.0/1.0	3500/1850/500	≥4700@850nm	7.5

Geometric Parameters of the Optical Fiber Cable

Project		Unit	Description				
Fibre Count		—	36	48	72	96	144
Number of subunits × number of subunit fibers		—	3*12 +1filler	4×12	6×12	8×12	12×12+2 fillers (1+4+10)
Tight-buffered optical fiber	Material	—	LSZH				
	Outer diameter	mm	0.85±0.05				
Subunit optical fiber cable	Material	—	LSZH				
	Reinforcer		Aramid yarn				
	Color	— —	G.652.D/G.657.A1/G.657.A2 yellow OM1/OM2 orange OM3/OM4 aqua				
Central reinforcer	Material	—	FRP				
Outer sheath	Material	—	LSZH				
	Color	—	G.652.D/G.657.A1/G.657.A2 yellow OM1/OM2 orange OM3/OM4 aqua green				
Optical cable diameter		mm	14.5	14.8	17.5	20.7	24.8
Reference weight of optical fiber cable		kg/km	180	170	254	366	451

Tight-buffered Optical Fiber Color Spectrum

Serial number	Product Description											
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Dark green
Serial number	13	14	15	16	17	18	19	20	21	22	23	24
Color	Blue +color ring	Orange +color ring	Green +color ring	Brown +color ring	Grey +color ring	White +color ring	Red +color ring	Black +color ring	Yellow +color ring	Purple +color ring	Pink +color ring	Dark green +color ring

Serial Number on Subunit Printed Labels

- Mark numbers (1, 2, 3, 4,..., 11, 12) at 150 mm intervals on the surface of the outer sheath

Mechanical and Environmental Characteristics

Project	Testing standards	Description	
Tensile strength	IEC60794-1-2 Method E1	Short-term	1320N
		Long-term	400
Crush resistance	IEC60794-1-2 Method E3	Short-term	1000N/10cm
		Long-term	300N/10cm
Impact force	IEC60794-1-2 Method E4	No evident attenuation of accessories	
Alternating bending	IEC60794-1-2 Method E6		
Torsion	IEC60794-1-2 Method E7		
Temperature	IEC60794-1-2 Method F1	20℃ to +60℃ (transportat/storage/operating temperature) -5 ℃ to +50℃(installation temperature)	
Minimum bending radius	Static	10 times of outer diameter of optical fiber cable	
	Dynamic	20 times of outer diameter of optical fiber cable	

Package

- Packed in wooden plates. Proper tools should be used in transportation to avoid damage to the package and to facilitate handling.
- Keep dry; Keep away from high temperature and sparks; Avoid overbending and extrusion; Avoid mechanical stress and damage

Printed Label

- In case of free of other requirements, the requirements for the printed label are as follows:
- Color: Black
- Content: Manufacturer, model, date, meter label
- Printed label interval: 1m

Supply Length

- The standard length is 36/48/72 cores: 1km/plate, 96/144 cores: 500m/plate

Product Model

Product Model	Product Description
OIMPDCH1***S	Indoor single-mode * core-bunched cable, G.652D, LSZH-1, 9/125μm
OIMPDCH3***S	Indoor single-mode * core-bunched cable, G.652D, LSZH-3, 9/125μm

OIMPDCNR***S	Indoor single-mode * core-bunched cable, G.652D, OFNR, 9/125μm
OIMPDCNP***S	Indoor single-mode * core-bunched cable, G.652.D, OFNP, 9/125μm
OIMPDCVC***S	Indoor single-mode * core-bunched cable, G.652.D, PVC, 9/125μm
OIMPDCH1***E	Indoor single-mode *core-bunched cable, G. 657.A2, LSZH-1, 9/125μm
OIMPDCH3***E	Indoor single-mode * core-bunched cable, G.657.A2, LSZH-3, 9/125μm
OIMPDCNR***E	Indoor single-mode * core-bunched cable, G.657.A2, OFNR, 9/125μm
OIMPDCNP***E	Indoor single-mode * core-bunched cable, G.657.A2, OFNP, 9/125μm
OIMPDCVC***E	Indoor single-mode * core-bunched cable, G.657.A2, PVC, 9/125μm
OIMPDCH1***F	Indoor single-mode * core-bunched cable, G.657.B3, LSZH-1, 9/125μm
OIMPDCH3***F	Indoor single-mode * core-bunched cable, G.657.B3, LSZH-3, 9/125μm
OIMPDCNR***F	Indoor single-mode * core-bunched cable, G.657.B3, OFNR, 9/125μm
OIMPDCNP***F	Indoor single-mode * core-bunched cable, G.657.B3, OFNP, 9/125μm
OIMPDCVC***F	Indoor single-mode * core-bunched cable, G.657.B3, PVC, 9/125μm
OIMPDCH1***M	Indoor multimode * core-bunched cable, OM1, LSZH-1, 62.5/125μm
OIMPDCH3***M	Indoor multimode * core-bunched cable, OM1, LSZH-3, 62.5/125μm
OIMPDCNR***M	Indoor multimode * core-bunched cable, OM1, OFNR, 62.5/125μm
OIMPDCNP***M	Indoor multimode * core-bunched cable, OM1, OFNP, 62.5/125μm
OIMPDCVC***M	Indoor multimode * core-bunched cable, OM1, PVC, 62.5/125μm
OIMPDCH1***B	Indoor multimode * core-bunched cable, OM2, LSZH-1, 50/125μm
OIMPDCH3***B	Indoor multimode * core-bunched cable, OM2, LSZH-3, 50/125μm
OIMPDCNR***B	Indoor multimode * core-bunched cable, OM2, OFNR, 50/125μm
OIMPDCNP***B	Indoor multimode * core-bunched cable, OM2, OFNP, 50/125μm
OIMPDCVC***B	Indoor multimode * core-bunched cable, OM2, PVC, 50/125μm
OIMPDCNP***B	Indoor multimode * core-bunched cable, OM2, OFNP, 50/125μm
OIMPDCVC***B	Indoor multimode * core-bunched cable, OM2, PVC, 50/125μm
OIMPDCH1***A	Indoor multimode * core-bunched cable, OM3, LSZH-1, 50/125μm
OIMPDCH3***A	Indoor multimode * core-bunched cable, OM3, LSZH-3, 50/125μm
OIMPDCNR***A	Indoor multimode * core-bunched cable, OM3, OFNR, 50/125μm
OIMPDCNP***A	Indoor multimode * core-bunched cable, OM3, OFNP, 50/125μm
OIMPDCVC***A	Indoor multimode * core-bunched cable, OM3, PVC, 50/125μm
OIMPDCH1***N	Indoor multimode * core-bunched cable, OM4, LSZH-1, 50/125μm
OIMPDCH3***N	Indoor multimode * core-bunched cable, OM4, LSZH-3, 50/125μm
OIMPDCNR***N	Indoor multimode * core-bunched cable, OM4, OFNR, 50/125μm
OIMPDCNP***N	Indoor multimode * core-bunched cable, OM4, OFNP, 50/125μm
OIMPDCVC***N	Indoor multimode * core-bunched cable, OM4, PVC 50/125μm
OIMPDCH1***D	Indoor multimode * core-bunched cable, OM5, LSZH-1, 50/125μm
OIMPDCH3***D	Indoor multimode * core-bunched cable, OM5, LSZH-3, 50/125μm
OIMPDCNR***D	Indoor multimode * core-bunched cable, OM5, OFNR, 50/125μm
OIMPDCNP***D	Indoor multimode * core-bunched cable, OM5, OFNP, 50/125μm
OIMPDCVC***D	Indoor multimode * core-bunched cable, OM5, PVC, 50/125μm

NOTES: In the product model, *** represents 3 digits. For example, the 36-core optical cable is 036.

Outdoor Fiber Optic Cables

OCTA

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The iCONEC-OCTA fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the cable core is one piece of metal strength member. For fiber optic cables with a certain number of cable cores, a layer of polyethylene (PE) needs to be applied outside the metal strength member. The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. Plastic coated aluminum strip (APL) is longitudinally wrapped and then extruded into polyethylene sheath to form cables



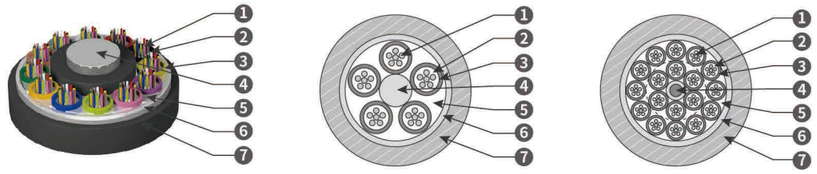
Characteristics

- It has good mechanical properties and temperature characteristics
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The sleeve is filled with a special ointment to protect the optical fiber
- The specially designed compact optical cable structure effectively prevents the sleeve from retracting
- PE sheath has excellent resistance to ultraviolet radiation
- The following measures are taken to ensure the optical cable is waterproof:
- A single steel wire as the central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of cable core
- Moisture-proof layer of the plastic coated aluminum strip (APL)

Complied Standards

- The YOFC iCONEC-OCTA conforms to the standard of YD/T 901 and IEC60794-1

1 Optical fiber
2 Sleeve filler
3 Loose sleeve
4 Central strength member
5 Cable core filler
6 Plastic coated aluminum strip
7 Polyethylene sheath



Optical Properties

Fiber Type	Attenuation (+20°C)				Bandwidth		Numerical aperture	Cable cut-off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTA002-006	2-6	1	4	76	7.8	600/1500	300/1000	10D/20D
OCTA008-012	8-12	2	3	76	7.8			
OCTA014-018	14-18	3	2	76	7.8			
OCTA020-024	20-24	4	1	76	7.8			
OCTA026-030	26-30	5	0	76	7.8			
OCTA032-036	32-36	6	0	85	8.1			
OCTA038-048	38-48	4	1	90	9.2			
OCTA050-060	50-60	5	0	90	9.2			
OCTA062-072	62-72	6	0	113	9.6			
OCTA074-084	74-84	7	1	136	11			
OCTA086-096	86-96	8	0	136	11			
OCTA098-108	98-108	9	1	163	12			
OCTA110-120	110-120	10	0	163	12			
OCTA122-132	122-132	11	1	190	13.2			
OCTA134-144	134-144	12	0	190	13.2			
OCTA146-216	146-216	13-18	5-0	190	13.7			
OCTA288	288	24	0	239	15.5			

Product Model

Product Model	Product Description
OCTA***S	* Core single-mode loose sleeve layer-stranding moisture-proof fiber cable, G.652.D, 9/125μm
OCTA***E	* Core single-mode loose sleeve layer-stranding moisture-proof fiber cable, G.657.A2, 9/125μm
OCTA***F	* Core single-mode loose sleeve layer-stranding moisture-proof fiber cable, G.657.B3, 9/125μm
OCTA***M	* Core multimode loose sleeve layer-stranding moisture-proof fiber cable, OM1, 62.5/125μm
OCTA***B	* Core multimode loose sleeve layer-stranding moisture-proof fiber cable, OM2, 50/125μm
OCTA***A	* Core multimode loose sleeve layer-stranding moisture-proof fiber cable, OM3, 50/125μm
OCTA***N	* Core multimode loose sleeve layer-stranding moisture-proof fiber cable, OM4, 50/125μm
OCTA***D	* Core multimode loose sleeve layer-stranding moisture-proof fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40°C to +70°C.
Applicable to: Pipeline, overhead

OCTAZ

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The iCONEC-OCTAZ fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the cable core is one piece of metal strength member. For fiber optic cables with a certain number of cable cores, a layer of polyethylene (PE) needs to be applied outside the metal strength member. The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. Aluminium polyethylene laminate (APL) is longitudinally wrapped and then extruded flame-retardant sheath to form cables



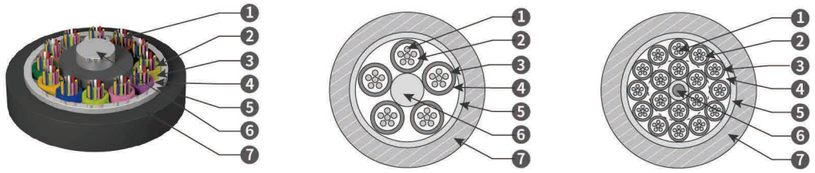
Characteristics

- It has good mechanical properties and temperature characteristics
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The sleeve is filled with a special ointment to protect the optical fiber
- The specially designed compact optical cable structure effectively prevents the sleeve from retracting
- PE sheath has excellent resistance to ultraviolet radiation
- The following measures are taken to ensure the optical cable is waterproof:
- A single steel wire as the central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of cable core
- Moisture-proof layer of the plastic coated aluminum strip (APL)

Complied Standards

- iCONEC-OCTAZ optical cables conform to YD/T 901 standard

1 Optical fiber
2 Sleeve filler
3 Loose sleeve
4 Cable core filler
5 Plastic coated aluminum strip
6 Central strength member
7 Polyethylene sheath



Optical Properties

Fiber Type	Attenuation (+20°C)				Bandwidth		Numerical aperture	Cable cut-off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTAZ002-006	2-6	1	4	101	7.7	600/1500	300/1000	10D/20D
OCTAZ008-012	8-12	2	3	101	7.7			
OCTAZ014-018	14-18	3	2	101	7.8			
OCTAZ020-024	20-24	4	1	101	7.8			
OCTAZ026-030	26-30	5	0	101	7.8			
OCTAZ032-036	32-36	6	0	111	8.1			
OCTAZ038-048	38-48	4	1	117	9.2			
OCTAZ050-060	50-60	5	0	117	9.2			
OCTAZ062-072	62-72	6	0	144	9.6			
OCTAZ074-084	74-84	7	1	171	11			
OCTAZ086-096	86-96	8	0	171	11			
OCTAZ098-108	98-108	9	1	198	12			
OCTAZ110-120	110-120	10	0	198	12			
OCTAZ122-132	110-132	11	1	229	13.2			
OCTAZ134-144	134-144	12	0	229	13.2			
OCTAZ146-216	146-216	13-18	5-0	229	/			

Product Model

Product Model	Product Description
OCTAZ***S	* Core single-mode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, G.652.D, 9/125μm
OCTAZ***E	* Core single-mode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, G.657.A2, 9/125μm
OCTAZ***F	* Core single-mode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, G.657.B3, 9/125μm
OCTAZ***M	* Core multimode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, OM1, 62.5/125μm
OCTAZ***B	* Core multimode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, OM2, 50/125μm
OCTAZ***A	* Core multimode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, OM3, 50/125μm
OCTAZ***N	* Core multimode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, OM4, 50/125μm
OCTAZ***D	* Core multimode loose sleeve layer-stranding moisture-proof & flame-retardant fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40°C to +70°C.
Applicable to: Pipeline, overhead

OCTS

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The iCONEC-OCTS fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the cable core is one piece of metal strength member. For fiber optic cables with a certain number of cable cores, a layer of polyethylene (PE) needs to be applied outside the metal strength member. The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. Double-sided plastic coated steel strip (PSP) is longitudinally wrapped to form cables through extrusion of a polyethylene sheath



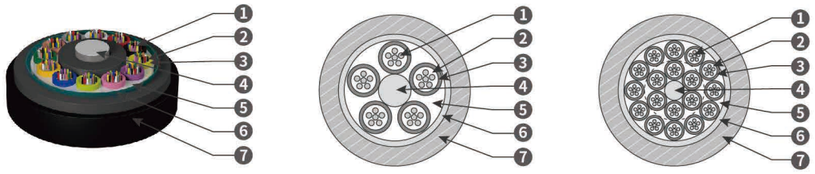
Characteristics

- It has good mechanical properties and temperature characteristics
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The sleeve is filled with a special ointment to protect the optical fiber
- The specially designed compact optical cable structure effectively prevents the sleeve from retracting
- It has good compression resistance and flexibility
- PE sheath has excellent resistance to ultraviolet radiation
- The following measures are taken to ensure the optical cable is waterproof:
- A single steel wire as the central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of cable core
- Double-sided coated plastic steel strip (PSP) can improve the moisture resistance of fiber optic cables

Complied Standards

- The YOFC iCONEC-OCTS conforms to the standards of YD/T 901 and IEC 60794-1

1 Optical fiber
2 Sleeve filler
3 Loose sleeve
4 Central strength member
5 Cable core filler
6 Plastic coated steel strip
7 Polyethylene sheath



Optical Properties

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTS002-006	2-6	1	4	96	7.8	600/1500	300/1000	10D/20D
OCTS008-012	8-12	2	3	96	7.8			
OCTS014-018	14-18	3	2	96	7.8			
OCTS020-024	20-24	4	1	96	7.8			
OCTS026-030	26-30	5	0	96	7.8			
OCTS032-036	32-36	6	0	96	8.1			
OCTS038-048	38-48	4	1	111	9.2			
OCTS050-060	50-60	5	0	111	9.2			
OCTS062-072	62-72	6	0	138	9.6			
OCTS074-084	74-84	7	1	168	11			
OCTS086-096	86-96	8	0	168	11			
OCTS098-108	98-108	9	1	195	12			
OCTS110-120	110-120	10	0	195	12			
OCTS122-132	110-132	11	1	228	13.3			
OCTS134-144	134-144	12	0	228	13.3			
OCTS146-216	146-216	13-18	5-0	228	13.9			
OCTS288	288	24	0	283	15.4			

Product Model

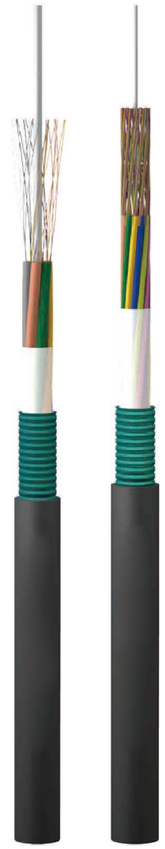
Product Model	Product Description
OCTA***S	* Core single-mode loose sleeve layer-stranding metal armored fiber cable, G.652.D, 9/125μm
OCTA***E	* Core single-mode loose sleeve layer-stranding metal armored fiber cable, G.657.A2, 9/125μm
OCTA***F	* Core single-mode loose sleeve layer-stranding metal armored fiber cable, G.657.B3, 9/125μm
OCTA***M	* Core multimode loose sleeve layer-stranding metal armored fiber cable, OM1, 62.5/125μm
OCTA***B	* Core multimode loose sleeve layer-stranding metal armored fiber cable, OM2, 50/125μm
OCTA***A	*Core multimode loose sleeve layer-stranding metal armored fiber cable, OM3, 50/125μm
OCTA***N	* Core multimode loose sleeve layer-stranding metal armored fiber cable, OM4, 50/125 μm
OCTA***D	* Core multimode loose sleeve layer-stranding metal armored fiber cable, OM5, 50/125μm

NOTES: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40℃ to +70℃.
Applicable to: Pipeline, overhead, directly buried.

OCTSZ

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The iCONEC-OCTSZ fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the cable core is one piece of metal strength member. For fiber optic cables with a certain number of cable cores, a layer of polyethylene (PE) needs to be applied outside the metal strength member. The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. Double-sided plastic coated steel strip (PSP) is longitudinally wrapped to form cables through extrusion of a flame-retardant sheath



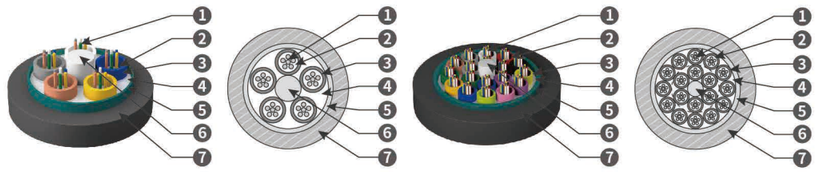
Characteristics

- It has good mechanical properties and temperature characteristics
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The sleeve is filled with a special ointment to protect the optical fiber
- The specially designed compact optical cable structure effectively prevents the sleeve from retracting
- It has good compression resistance and flexibility
- Special sheath is exceedingly flame-retardant.
- The following measures are taken to ensure the optical cable is waterproof:
- A single steel wire as the central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of core
- Double-sided coated plastic steel strip (PSP) can improve the moisture resistance of fiber optic cables;

Complied Standards

• YOFC iCONEC-OCTSZ optical cables conform to YD/T 901 standard

1 optical fiber 3 loose sleeve 5 plastic-coated steel strip 7 polyethylene sheath
2 Sleeve filler 4 Cable core filler 6 Central strength member



Optical Properties

Fiber Type	Attenuation (+20°C)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTSZ002-006	2-6	1	4	118	7.7	600/1500	300/1000	10D/20D
OCTSZ008-012	8-12	2	3	118	7.7			
OCTSZ014-018	14-18	3	2	118	7.8			
OCTSZ020-024	20-24	4	1	118	7.8			
OCTSZ026-030	26-30	5	0	118	7.8			
OCTSZ032-036	32-36	6	0	131	8.1			
OCTSZ038-048	38-48	4	1	139	9.2			
OCTSZ050-060	50-60	5	0	139	9.2			
OCTSZ062-072	62-72	6	0	170	9.6			
OCTSZ074-084	74-84	7	1	200	11			
OCTSZ086-096	86-96	8	0	200	11			
OCTSZ098-108	98-108	9	1	230	12			
OCTSZ110-120	110-120	10	0	230	12			
OCTSZ122-132	110-132	11	1	268	13.2			
OCTSZ134-144	134-144	12	0	268	13.2			
OCTSZ146-216	146-216	13-18	5-0	268	/			
OCTSZ288	288	24	0	360	/			

Product Model

Product Model	Product Description
OCTAZ***S	* Core single-mode loose sleeve layer-stranding metal armored flame-retardant fiber cable, G.652.D, 9/125μm
OCTAZ***E	* Core single-mode loose sleeve layer-stranding metal armored flame-retardant fiber cable, G.657.A2, 9/125μm
OCTAZ***F	* ore single-mode loose sleeve layer-stranding metal armored flame-retardant fiber cable, G.657.A2, 9/125μm
OCTAZ***M	* Core multimode loose sleeve layer-stranding metal armored flame-retardant fiber cable, OM1, 62.5/125μm
OCTAZ***B	* Core multimode loose sleeve layer-stranding metal armored flame-retardant fiber cable, OM2, 50/125μm
OCTAZ***A	*Core multimode loose sleeve layer-stranding metal armored flame-retardant fiber cable, OM3, 50/125μm
OCTAZ***N	*Core multimode loose sleeve layer-stranding metal armored flame-retardant fiber cable, OM4, 50/125μm
OCTAZ***D	* Core multimode loose sleeve layer-stranding metal armored flame-retardant fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40°C to +70°C.
Applicable to: Overhead.

iCONEC-OCTN



Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The iCONEC- OCTN fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the core is a piece of glass fiber reinforced plastic (FRP). The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. A polyethylene sheath is extruded on the outside of the cable core to form the cable

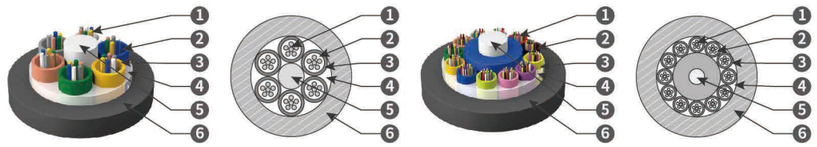
Characteristics

- It has good mechanical properties and temperature characteristics.
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The pipe is filled with special grease which can protect the optical fiber critically.
- It has good compression resistance and flexibility;
- The following measures are adopted to ensure the waterproof performance of fiber optic cables:
- A single non-metal central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of core

Complied Standards

• The OCTN complies with YD/T 901 and IEC60794-1 standards

1 Optical fiber
2 Sleeve filler
3 Loose sleeve
4 Cable core filler
5 Non-metal strength member
6 Polyethylene sheath



Optical Properties

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTN002-006	2-6	1	5	86	10.1	400/1000	300/1000	10D/20D
OCTN008-012	8-12	2	4	86	10.1			
OCTN014-018	14-18	3	3	86	10.1			
OCTN020-024	20-24	4	2	86	10.1			
OCTN026-030	26-30	5	1	86	10.1			
OCTN032-036	32-36	6	0	86	10.1			
OCTN038-048	38-48	4	2	109	10.5			
OCTN050-060	50-60	5	1	109	10.5			
OCTN062-072	62-72	6	0	109	10.5			
OCTN002-006	2-6	1	6	98	10.4	600/1500		
OCTN008-012	8-12	2	5	98	10.4			
OCTN014-018	14-18	3	4	98	10.4			
OCTN020-024	20-24	4	3	98	10.4			
OCTN026-030	26-30	5	2	98	10.4			
OCTN032-036	32-36	6	1	98	10.4			
OCTN038-042	38-42	7	0	98	10.4			
OCTN054-048	44-48	4	3	115	/			
OCTN050-060	50-60	5	2	115	/	600/1500		
OCTN062-072	62-72	6	1	115	/			
OCTN002-006	2-6	1	7	119	11.5	1000/3000	300/1000	10D/20D
OCTN008-012	8-12	2	6	119	11.5			
OCTN014-018	14-18	3	5	119	11.5			
OCTN020-024	20-24	4	4	119	11.5			
OCTN026-030	26-30	5	3	119	11.5			
OCTN032-036	32-36	6	2	119	11.5			
OCTN038-042	38-42	7	1	119	11.5			
OCTN038-048	44-48	8	0	119	11.5			
OCTN050-060	50-60	5	3	125	11.9			
OCTN062-072	62-72	6	2	125	11.9			
OCTN074-084	74-84	7	1	125	11.9			
OCTN086-096	86-96	8	0	125	11.9			
OCTN098-108	98-108	9	1	149	13.2			
OCTN110-120	110-120	10	0	149	13.2			
OCTN122-132	110-132	11	1	179	14.5			
OCTN134-144	134-144	12	0	179	14.5			

Product Model

Product Model	Product Description
OCTN***S	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored optical cable,G.652.D, 9/125μm
OCTN***E	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, G.657.A2, 9/125μm
OCTN***F	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, G.657.B3, 9/125μm
OCTN***M	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, OM1, 62.5/125μm
OCTN***B	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, OM2, 50/125μm
OCTN***A	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, OM3, 50/125μm
OCTN***N	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, OM4, 50/125μm
OCTN***D	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored optical cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40℃ to +70℃.
Applicable to: Pipeline, overhead

OCTNZ

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The OCTNZ fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the core is a piece of glass fiber reinforced plastic (FRP). The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. A flame retardant sheath is extruded on the outside of the cable core to form the cable



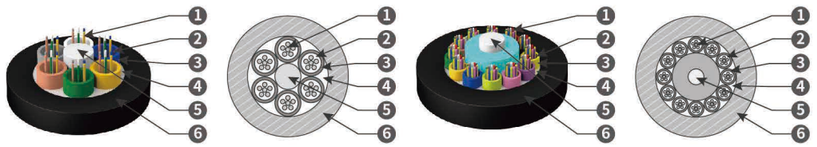
Characteristics

- It has good mechanical properties and temperature characteristics.
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The pipe is filled with special grease which can protect the optical fiber critically.
- It has good compression resistance and flexibility;
- The following measures are adopted to ensure the waterproof performance of fiber optic cables:
- A single non-metal central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of core

Complied Standards

- The OCTN complies with YD/T 901 and IEC60794-1 standards

1 Optical fiber
2 Sleeve filler
3 Loose sleeve
4 Cable core filler
5 non-metal strength member
6 flame-retardant sheath



Optical Properties

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36dB/km	≤0.22dB/km	—	—	—	≤1260nm
G.655	—	—	≤0.40dB/km	≤0.23dB/km	—	—	—	≤1450nm
50/125μm	≤3.3dB/km	≤1.2dB/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5dB/km	≤1.2dB/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTNZ002-006	2-6	1	5	123	10.7	400/1000	300/1000	10D/20D
OCTNZ008-012	8-12	2	4	123	10.7			
OCTNZ014-018	14-18	3	3	123	10.7			
OCTNZ020-024	20-24	4	2	123	10.7			
OCTNZ026-030	26-30	5	1	123	10.7			
OCTNZ032-036	32-36	6	0	123	10.7			
OCTNZ002-006	2-6	1	6	131	11	600/1500		
OCTNZ008-012	8-12	2	5	131	11			
OCTNZ014-018	14-18	3	4	131	11			
OCTNZ020-024	20-24	4	3	131	11			
OCTNZ026-030	26-30	5	2	131	11			
OCTNZ032-036	32-36	6	1	131	11			
OCTNZ038-042	38-42	7	0	131	11			
OCTNZ054-048	44-48	4	2	137	11.6			
OCTNZ050-060	50-60	5	1	137	11.6			
OCTNZ062-072	62-72	6	0	137	11.6			
OCTNZ002-006	2-6	1	7	155	12.1	1000/3000		
OCTNZ008-012	8-12	2	6	155	12.1			
OCTNZ014-018	14-18	3	5	155	12.1			
OCTNZ020-024	20-24	4	4	155	12.1			
OCTNZ026-030	26-30	5	3	155	12.1			
OCTNZ032-036	32-36	6	2	155	12.1			
OCTNZ038-042	38-42	7	1	155	12.1			
OCTNZ038-048	44-48	8	0	155	12.1			
OCTNZ050-060	50-60	5	3	162	12.5			
OCTNZ062-072	62-72	6	2	162	12.5			
OCTNZ074-084	74-84	7	1	162	12.5			
OCTNZ086-096	86-96	8	0	162	12.5			
OCTNZ098-108	98-108	9	1	192	13.8			
OCTNZ110-120	110-120	10	0	192	13.8			
OCTNZ122-132	110-132	11	1	228	15.3			
OCTNZ134-144	134-144	12	0	228	15.3			

Product Model

Product Model	Product Description
OCTNZ***S	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, G.652.D, 9/125μm
OCTNZ***E	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, G.657.A2, 9/125μm
OCTNZ***F	* Core single-mode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, G.657.B3, 9/125μm
OCTNZ***M	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, OM1, 62.5/125μm
OCTNZ***B	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, OM2, 50/125μm
OCTNZ***A	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, OM3, 50/125μm
OCTNZ***N	* Core multimode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, OM4, 50/125μm
OCTNZ***D	*Core multimode loose sleeve layer-stranding non-metal reinforced non-armored flame-retardant fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40℃ to +70℃.
Applicable to: Pipeline, overhead

OCTQ

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The OCTQ fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The center of the cable core is one piece of metal strength member. For fiber optic cables with a certain number of cable cores, a layer of polyethylene (PE) needs to be applied outside the metal strength member. The loose sleeve (and the filling rope) is twisted around the central strength member to form a compact and round cable core whose gaps are filled with water-blocking fillers. Plastic coated aluminum strip (APL) is longitudinally wrapped to form a layer of polyethylene inner sheath through extrusion and double-sided plastic coated steel strip (PSP) is longitudinally wrapped to form polyethylene sheath cable through extrusion.

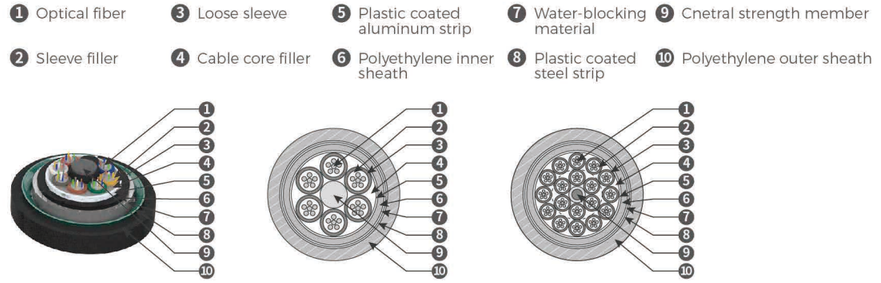


Characteristics

- It has good mechanical properties and temperature characteristics.
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The pipe is filled with special grease which can protect the optical fiber critically.
- It has good compression resistance and flexibility;
- The following measures are adopted to ensure the waterproof performance of fiber optic cables:
- A single metal central strength member
- The loose sleeve is filled with special waterproof compound
- Complete filling of core
  - Moisture-proof layer of the plastic coated aluminum strip (APL)
  - Double-sided coated plastic steel strip (PSP) can improve the moisture resistance of fiber optic cables;
  - With good water-blocking material, it can prevent longitudinal water penetration of fiber optic cables

Complied Standards

- The OCTQ complies with YD/T 901 and IEC60794-1 standards



Optical Properties

Fiber Type	Attenuation (+20℃)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36Db/km	≤0.22Db/km	—	—	—	≤1260nm
G.655	—	—	≤0.40Db/km	≤0.23Db/km	—	—	—	≤1450nm
50/125μm	≤3.3Db/km	≤1.2Db/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5Db/km	≤1.2Db/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Sleeve count	Filling rope count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCTQ002-006	2-6	1	5	177	14.9	1000/3000	1000/3000	12.5D/25D
OCTQ008-012	8-12	2	4	177	14.9			
OCTQ014-018	14-18	3	3	177	14.9			
OCTQ020-024	20-24	4	2	177	14.9			
OCTQ026-030	26-30	5	1	177	14.9			
OCTQ032-036	32-36	6	0	177	14.9			
OCTQ038-048	38-48	4	1	194	14.9			
OCTQ050-060	50-60	5	0	194	15.2			
OCTQ062-072	62-72	6	0	204	15.2			
OCTQ074-084	74-84	7	1	239	15.2			
OCTQ086-096	86-96	8	0	239	15.2			
OCTQ098-108	98-108	9	1	275	17.1			
OCTQ110-120	110-120	10	0	275	17.1			
OCTQ122-132	110-132	11	1	312	18.4			
OCTQ134-144	134-144	12	0	312	18.4			
OCTQ146-216	146-216	13-18	5-0	312	/			

Product Model

Product Model	Product Description
OCTQ***S	* Core single-mode loose sleeve layer-stranding reinforced armored fiber cable, G.652.D, 9/125μm
OCTQ***E	* Core single-mode loose sleeve layer-stranding reinforced armored fiber cable, G.657.A2, 9/125μm
OCTQ***F	* Core single-mode loose sleeve layer-stranding reinforced armored fiber cable, G.657.B3, 9/125μm
OCTQ***M	* Core multimode loose sleeve layer-stranding reinforced armored fiber cable, OM1, 62.5/125μm
OCTQ***B	*Core multimode loose sleeve layer-stranding reinforced armored fiber cable, OM2, 50/125μm
OCTQ***A	*Core multimode loose sleeve layer-stranding reinforced armored fiber cable, OM3, 50/125μm
OCTQ***N	*Core multimode loose sleeve layer-stranding reinforced armored fiber cable, OM4, 50/125μm
OCTQ***D	*Core multimode loose sleeve layer-stranding reinforced armored fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40°C to +70°C.
Applicable to: Pipeline, overhead, directly buried.

OCCK

Applications

- Mainly applied to the connection between outdoor bulidings. It has some mechanical and environmental characteristics such as pressure resistance, tension resistance, corrosion resistance, high temperature and low temperature resistance.
- The OCCK fiber optic cable is constructed with a 250μm optical fiber in a loose sleeve made from high-modulus materials and filled with waterproof compound. The loose sleeveLoose tube is longitudinally wrapped with a double-sided plastic-coated steel strip (PSP). The water-blocking material between the steel strip and the loose sleeve is added to ensure the compact and longitudinal water-blocking of the optical cable. Two parallel steel wires are placed on both sides, and then the polyethylene sheath is extruded to form a cable.

Characteristics

- It has good mechanical properties and temperature characteristics.
- The loose sleeve is made of materials with good hydrolysis resistance and high strength
- The pipe is filled with special grease which can protect the optical fiber critically.
- It has good compression resistance and flexibility;
- Double-sided coated plastic steel strip (PSP) can improve the moisture resistance of fiber optic cables;
- Two parallel steel wires ensure the tensile strength of the fiber optic cables
- Small diameter, lightweight, easy to lay
- Longer delivery length



Complied Standards

- The YOFC iCONEC-OCCK complies with YD/T 769 standards



Optical Properties

Fiber Type	Attenuation (+20°C)				Bandwidth		Numerical aperture	cut off wavelength
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652	—	—	≤0.36Db/km	≤0.22Db/km	—	—	—	≤1260nm
G.655	—	—	≤0.40Db/km	≤0.23Db/km	—	—	—	≤1450nm
50/125μm	≤3.3Db/km	≤1.2Db/km	—	—	≥500MHz·km	≥500MHz·km	0.200±0.015 NA	—
62.5/125μm	≤3.5Db/km	≤1.2Db/km	—	—	≥200MHz·km	≥500MHz·km	0.275±0.015 NA	—

Structural Parameters

Optical cable model (Increment by 2 fibers)	Fiber count	Reference cable weight (kg/km)	Outer diameter (mm)	Tensile strength for long/short term (N)	Crush resistance for long/short term (N/100mm)	Bending radius
OCCK002-012	2-12	82	8.7	600/1500	300/1000	10D/20D
OCCK014-024	14-24	127	11.5			
OCCK002-012	2-12	124	10.6	1000/3000		
OCCK014-024	14-24	147	12			

Product Model

Product Model	Product Description
OCCK***S	* Core single-mode center tube type lightly armored fiber cable, G.652.D, 9/125μm
OCCK***E	* Core single-mode center tube type lightly armored fiber cable, G.657.A2, 9/125μm
OCCK***F	* Core single-mode center tube type lightly armored fiber cable, G.657.B3, 9/125μm
OCCK***M	* Core multimode center tube type lightly armored fiber cable, OM1, 62.5/125μm
OCCK***B	*Core multimode center tube type lightly armored fiber cable, OM2, 50/125μm
OCCK***A	*Core multimode center tube type lightly armored fiber cable, OM3, 50/125μm
OCCK***N	*Core multimode center tube type lightly armored fiber cable, OM4, 50/125μm
OCCK***D	*Core multimode center tube type lightly armored fiber cable, OM5, 50/125μm

Remarks: In the product model, *** represents 3 digits. For example, the 2-core optical cable is 002.
Storage and operating temperature: -40°C to +70°C.
Applicable to: Pipeline, overhead

