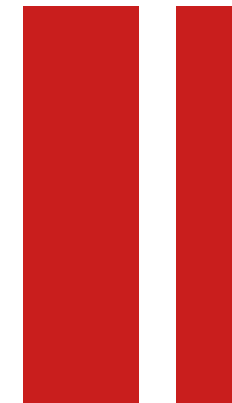
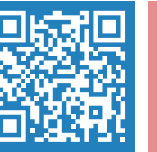


HIGH STABILITY
HIGH RELIABILITY
HIGH COST-COMPECTITIVE



CONTACT US

KOC COMMUNICATION CO., LTD

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Tel: + 86 0755-3367 3808 / 3367 3797

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Web: www.koc.com.cn

CPR



FIBER OPTIC CONECTIVITY PRODUCTS

New Brochure

Global Fiber Optic Cabling and Components Supplier

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FIBER OPTIC BACKPLANE PRODUCTS
CUSTOMED PRETERMED MPO SPECICAL PATCHCORD

04. KOC Branches

KOC BRANCHES



KOC ShenZhen R&D Center



KOC SiChuan Production Base

ABOUT US

**KOC
Communication
Co., Ltd.**

Located in Unibuilt Science and Technological Industrial Park in Dalang, Longhua district, Shenzhen KOC Communication Co. Ltd. (abbr. : KOC) was founded in 2001. It is one of the pioneer company engaged in fiber optical connector production business in China. With more than 20 years' development, it is a specialized manufacturer and sales company in ODN fiber connections , passive devices, IDC cabling and miro-connection, outdoor and indoor cables.

Nowadays, KOC products are extensively applied for telecom operators, fiber engineering projects, CATV, broadband networks, FTTH and data center constructions in Europe, South America, Mid-east, Asia Pacific regions. Under the concept of high quality principal, KOC provides reliable products and services to customers around the world.



1,5000^{m²}

Production Area

4,500^{m²}

Office Area

72^{staff}

Bachelor degree or higher

106^{staff}

10+ years working experience

FACTORY

As the production base of Shenzhen KOC Communication Co., Ltd. located in Sichuan Province, KOC Sichuan was established in 2019 and is a high-tech enterprise and national high-tech enterprise in Meishan City. The company is located in Hongya County Economic Development Zone, Meishan City. KOC Sichuan has a production plant area of 15000 square meters. After complete completion in 2025, the production scale is expected to reach an annual output of 50 million fiber optic connectors and 100000 core kilometers of optical cables. At the same time, it has the production capacity of IDC high-end passive components such as FA, MT, Jumper, and other supporting products for comprehensive cabling.

Thailand manufacturing base: Optimises supply chain, increases production capacity and meets global customer needs.



DEVELOPMENT HISTORY

2001
KOC Founded

2004
Established patch cord production base in Yingtan, Jiangxi Province

2005
Production base relocated in industrial concentrated area: Shenzhen

2008
Established adaptor, connector factories. HQ relocated in Dalang, Longhua

2010
Set up PLC/WDM passive production lines

2015
Acquisition and integration to establish ODN/PON product business unit and IDC Data Center Products Division KOC Group set up.

2020
Established KOC Sichuan, a new production base in Inland China.

2024
Newly built self owned factory in KOC Sichuan Industrial Park, with increased production capacity

WHY CHOOSE US

- ✓ “Ready to produce” materials
- ✓ Special designed textures & tools
- ✓ Simplified order handling process
- ✓ Well trained operators for multi-tasks
- ✓ Target to deliver assemblies to site
- ✓ 3~7 days from Receipt of PO
- ✓ The most rational and fast way of logistics
- ✓ Engineers: earliest entrants in fiber industry of China
- ✓ Sales: overseas working experiences
- ✓ Operation team: fortune global 500 working experience

CERTIFICATES



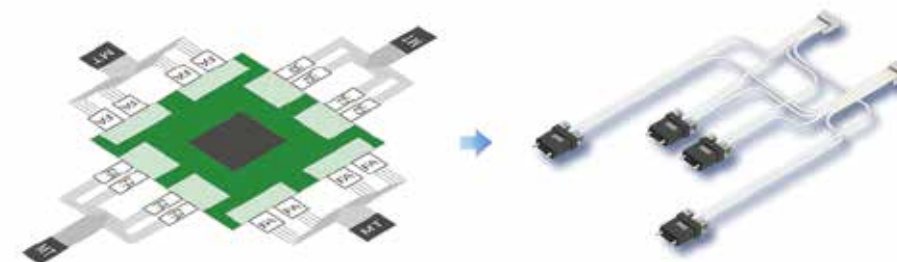
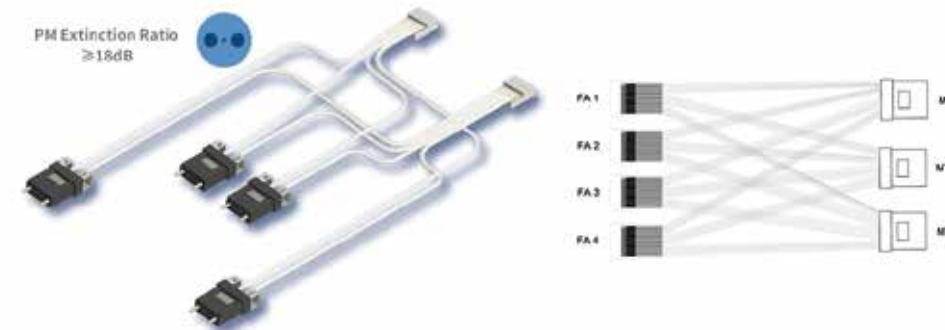


Internal Connection focuses on optical passive connections in three applications: QSFP, AOCs and COBO applications. The business model includes OEM, ODM and JDM, to provide customers with quality products, professional technical support and professional service.

Multi MT-FA

Mini Internal Connectivity for QSFP

The PM (Polarization-Maintaining) FA-MT is a high-speed transceiver parallel optical component designed for coherent optical module applications, addressing key interface challenges in coherent modules. By combining multiple polarization-maintaining fiber arrays (FA) and MT connectors in series/array configurations, the end-face distance between FA and MT can be minimized to 15mm, supporting up to 16 channels. Even in complex multi-Channel configurations, it maintains high performance with an extinction ratio minimum 18dB and low insertion loss of 0.3dB. The product complies with Telcordia GR-1221-CORE and GR-1209-CORE reliability standards.



Features

- High extinction ratio (PER ≥ 18 dB)
- High repeatability and stability
- High-precision core pitch (pitch error $\leq 0.3 \mu\text{m}$) with ultra-accurate polishing angles, customizable upon request
- Compliant with GR-1221, GR-1209, and RoHS standards

Specifications Parameters

- Fiber pitch (μm): 127, 250 (customizable upon request)
- Pitch tolerance (μm): ≤ 0.3 (customizable upon request)
- Fiber type: PM 1310 nm/1550 nm or customer-specified
- End-face angle: 0° – 45°
- Number of Channel: Customizable
- Extinction ratio: ≥ 18 dB
- Compliance: GR-1209/GR-1221, RoHS standards
- Operating temperature: -5°C to $+70^\circ\text{C}$

Application

With surging demand for cloud storage in operator networks, supply has struggled to meet demand, prompting major module manufacturers to rapidly scale up production. Shipments of 400G ZR/ZR+ coherent optical modules doubled in 2022, driving corresponding growth in PM FA-MT component requirements. The component supports custom combinations of fiber arrays (FA) and MT connectors, making it adaptable to various Co-Packaged Optics (CPO) solutions for coherent communication modules. This design ensures high coupling efficiency and stability between optical components and chips.

MT - FA 42.5°

Mini Internal Connectivity for QSFP

MT-42.5°FA uses 42.5° total reflection FA as the RX receiving end to directly couple with the PD Array to complete the optical to optical conversion of the optica path; use the small size and multiple channels of the MT ferrule to realize the parallel transmission of multiple optical channels. At present, it is widely used in high-speed optical module connection.

- Features
- Low insertion loss
 - High repeatability and high stability
 - High precision and customizable
 - Meets GR1221 /1209 and RoHS standards

- Application
- 100G PSM high-speed optical module

Item	Specification
Operating Wavelength	850~1650nm
Insertion loss	<0.5dB
Return Loss	≥50dB
Operating Temperature	-40°C~85°C
Pitch Error	<1.0μm (0.3,0.5,0.7,1.0μm can be customized according to channel number accuracy)



Polarization Maintaining Fiber Array / MT Pigtail

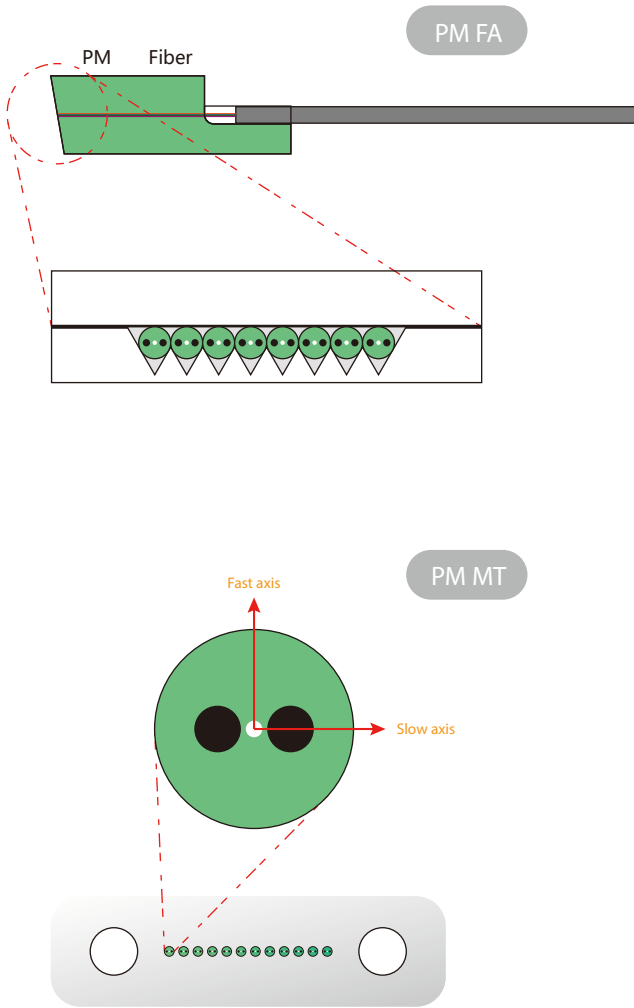
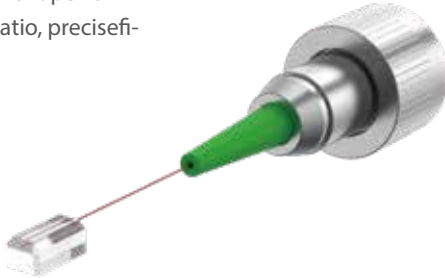
Mini Internal Connectivity for QSFP

PM FA is a Polarization-Maintaining fiber placed in the V-Groove on the array substrate to achieve high-density parallel transmission by maintain- ing the same polarization direction. PM fiber array has excellent perfor- mance such as precision alignment angle, high extinction ratio, precisefi- ber spacing and polishing angle, etc.

- Features
- High extinction ratio (≥18dB)
 - High precision pitch core (pitch error≤0.5μm)
 - Customized available
 - GR1221, GR1209 and RoHS compliant

- Application
- Coherent transmission, PM optical waveguide devices, fiber sensing

Item	Specification
Fiber Spacing	127μm or 250μm or customized
Fiber Core Position Tolerance	≤0.5μm or customized
Fiber Type	PM 1310nm 1550nm or customized
Polishing Angle	0° ~ 45°
Fiber Counts	Customized
Extinction Ratio	≥18dB
Standards	Comply with GR1209/1221,ROHS
Operating Temperature	-5°C~70°C



Passive optical interconnect jumpers can be deployed in QSFP, QSFP+, QSFP28, QSFP-DD, OSFP, CXP, CFP, CDFP and any parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Features

- GR-1435, GR-1221 compliant
- Transmission mode: Multi-channel serial and parallel transmission mode
- High accuracy
- Support: 200G(8x25G), 400G(8X50G)

Coupling Mode

- Passive coupling with guide pins and 0, 8, 10 degrees as customer designed
- Active coupling with light source and 0~45 degrees
- Passive coupling with guide pins and 90 degrees

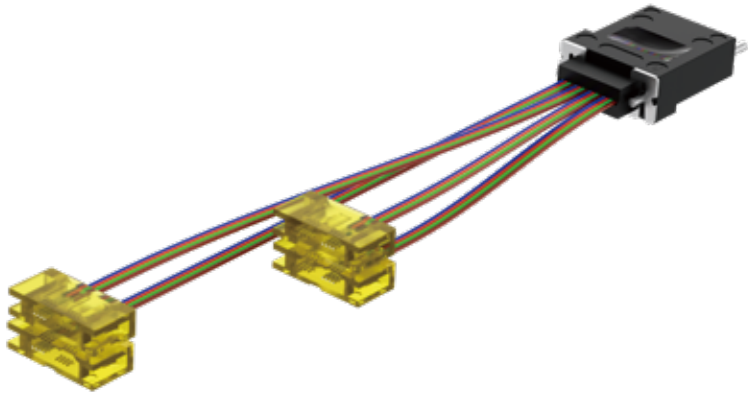
IL/RL Specifications

- MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

Environment Conditions

- -40°C~+85°C

Item	Specification
Connector A	MT ferrule with guide pin
Connector B	Customized Jumper/Lens, Usconnect Prizm/Lensed MT
Fiber Shape	Ribbon
Fiber Counts	2F/4F/8F/12F/16F/24F
Fiber Type	OM3, OM4, OM5;
Length	20~50mm, Customized length available
Length Tolerance	±0.30 ~ ±0.50mm



Passive optical interconnect jumpers can be deployed in QSFP, QSFP+, QSFP28,100G PSM4, QSFP-DD, Micro QSFP, OSFP, CXP, CFP, CDFP and any parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Features

- GR-1435, GR-1221 compliant
- Transmission mode: Multi-channel serial and parallel transmission mode
- High accuracy
- Support: 40G(4x10G), 100G(4x25G), 100G(10X10G), 12x10G, 4x32G, 8X10G, 200G(8X25G), 400G(8X50G), 800G(8X100G)

Coupling Mode

- Passive coupling with guide pins and 0, 8 degrees

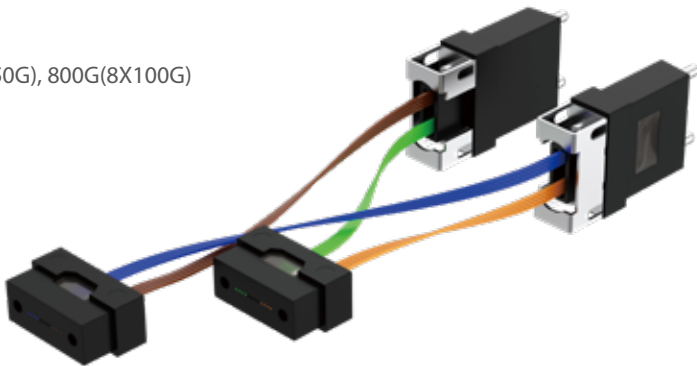
IL/RL Specifications

- MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

Environment Conditions

- -40°C~+85°C

Item	Specification
Connector A	MT Ferrule with guide pin
Connector B	MT Ferrule
Fiber Shape	Ribbon/Single fibers
Fiber Counts	8F/12F/16F/24F
Fiber Type	OM2, OM3, OM4, OM5; OS1, OS2;
Length	20~50mm, Customized length available
Length Tolerance	+0.3/-0mm ~ +0.5/-0mm



Passive optical interconnect jumpers can be deployed in QSFP, QSFP+, QSFP28, 100G PSMA, QSFP-DD, OSFP, CXP, CFP, CDFP and any parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Features

- GR-1435, GR-1221 compliant
- Transmission mode: Multi-channel serial and parallel transmission mode
- High accuracy
- Support: 40G(4x10G), 100G(4x25G)

Coupling Mode

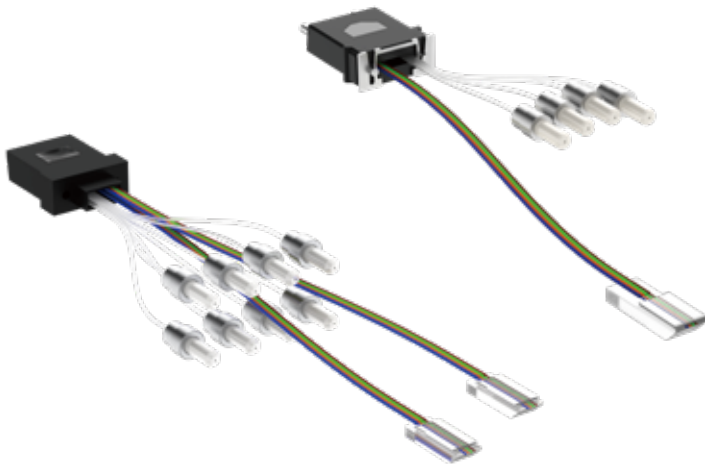
- Passive coupling with guide pins and 0, 8 degrees

IL/RL Specifications

- MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

Environment Conditions

- -40°C~+85°C



Item	Specification
Connector A	MT Ferrule with guide pin
Connector B	MT&SUS or FA&SUS, Customized size/angle available for FA
Fiber Shape	Ribbon
Fiber Counts	8F
Fiber Type	OS1, OS2;
Length	20~50mm, Customized length available
Length Tolerance	+0.3/-0mm ~ +0.5/-0mm

Passive optical interconnect jumpers can be deployed in 100G CWD4, 100G CLR4, 100G SWDM and any parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Features

- GR-1435, GR-1221 compliant
- Transmission mode: Multi-channel serial and parallel transmission mode
- High accuracy
- Support: 100G

Coupling Mode

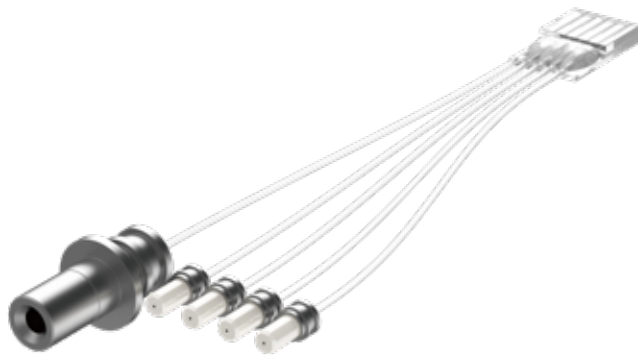
- Passive coupling with guide pins and 0, 8 degrees
- Active coupling with light source and 0~ 45 degrees
- Passive coupling with guide pins and 90 degrees

IL/RL Specifications

- MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

Environment Conditions

- -40°C~+85°C



Item	Specification
Connector A	FA, Customized size/angle available
Connector B	SUS
Fiber Shape	Ribbon
Fiber Counts	5F
Fiber Type	OM3, OM4, OS1, OS2;
Length	20~50mm, Customized length available
Length Tolerance	+0.3/-0mm ~ +0.5/-0mm

Passive optical interconnect jumpers can be deployed in QSFP, QSFP+, QSFP28, QSFP-DD, OSFP, CXP, CFP, CDFP and any parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Features

- GR-1435, GR-1221 compliant
- Transmission mode: Multi-channel serial and parallel transmission mode
- High accuracy
- Support: 40G(4x10G), 100G(4x25G)

Coupling Mode

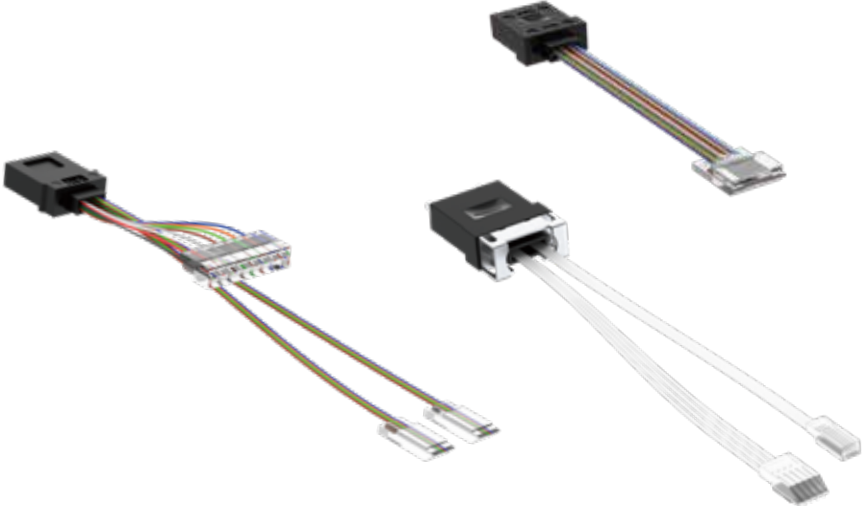
- Active coupling with light source and 0~ 45 degrees
- Passive coupling with guide pins and 90 degrees

IL/RL Specifications

- MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

Environment Conditions

- -40°C~+85°C



Item	Specification
Connector A	MT Ferrule with guide pin
Connector B	FA, Customized size/angle available
Fiber Shape	Ribbon/single fibers
Fiber Counts	12F
Fiber Type	OM3, OM4, OS1, OS2;
Length	20~50mm, Customized length available
Length Tolerance	+0.3/-0mm ~ +0.5/-0mm

Mode Field Diameters (MFD) Fiber Array (FA) provides a means of low-loss coupling to waveguides with smaller mode-fields. The process of splicing ultra-high-NA(UHNA) fiber to a standard NA fiber, such as 3.2μm/3.3μm/4μm/5.5μm to 9μm, is used to realize the conversion of the mode field.

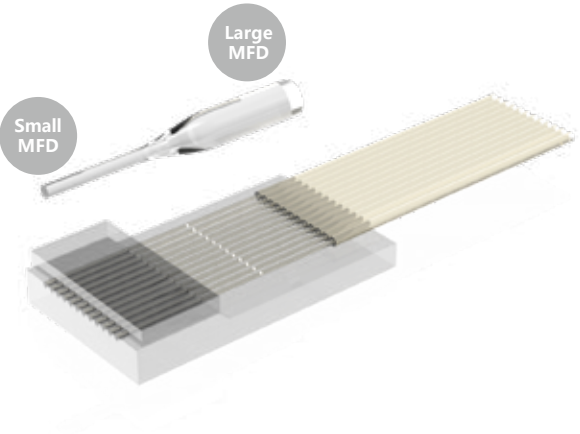
Features

- Low insertion loss
- High precision pitch core (pitch error < 0.5μm)
- High precision polishing angle
- Customized available
- GR1221, GR1209 and RoHS compliant

Application

- Integrated photonic transceiver module, Optical waveguide coupling

Item	Specification
Insertion Loss	≤0.30 dB
Substrate Material	Quartz, BF33 and others
Fiber Spacing	127μm or 250μm or customized
Fiber Core Position Tolerance	<0.5μm, or customized
Mode Field Diameter	3.2μm, 3.3μm or customized
Polishing Angle	0°~45°, or customized
Fiber Type	SM
Number of Channels	Customized
Operating Temperature	-5°C~70°C



Cabling Products focus on optical passive connections, cabling management and high-density pre-terminated connections in the structured fiber cabling system, and we are committed to provide customers with high-precision, low-loss, high-reliability, low-cost, miniaturization and high-compatibility products, solutions and services.

FLUKE networks



Fiber Simulator

Fiber Optic Conectivity



In engineering test labs, it is often a mandatory requirement to test a device's transmission capability over distance. Using real fiber to simulate the actual field environment is the best approach to obtain a device's benchmark performance.

Fiber-in-a-Box is the most reliable solution, providing flexible configurations.

In a fully enclosed rack-mount chassis, the fiber in-a-Box product provides custom fiber lengths up to 200 Kilometers. each spool accommodating fiber links up 25km length, The front termination panel can support LC, SC, FC, MPO or ST type connectors, A user can order this product in any increment of 1km per link, and can order a customized configuration per their particular need.

Hollow Core Fibre and Adapter

Fiber Optic Conectivity

Breaking away from traditional solid-core fibre transmission mediums, hollow-core fibres feature an air-guiding waveguide structure. They are characterized by low latency, wide transmiss-ion bandwidth, low loss, and low nonlinearity, making them ideal for high-capacity, high-speedlow-laten-cy, and long-distance optical transmission networks. These networks are particularly well-suited for various fields, such as computing power networks, AI data centers, dedicatedlines for industrial finance, and electric power networks. Additionally, hollow core fibres exhibitultra-low Rayleigh scattering, low dispersion, large effective area, tunable wavelength, andhigher laser damage thresholds. These properties render them highly promising for applicationsin high-power laser transmission, ultraviolet to mid-infrared optical transmission, pulse compression, quantum transmis-sion, and gas sensing. As a world-leading supplier of communication fibre products, koc is committed to the research and development of hollow core fibreseries. By leveraging independently synthesized raw materials, a capillary preparation processwith precise size control, and a cutting-edge drawing process for hollow core fbres, koc has developed a range of hollow core fibres suitable for wavelengths spanning from visible light tomid-infrared. These fibres have achieved internationally leading performance levels and scaleproduction. furthermore, We offer a comprehensive suite of solutions encompassing hollowcore fibre cables and hollow core fibre adapters, ensuring rapid responses to diverse customer needs and facilitating batch delivery.

Fibre Type	HCF-235/370-C+L	HCF-235/370-O	HCF-235/370-1μm	HCF-215/360-0.85μm	HCF-325/460-2μm	HCF-425/540-3μm
Core diameter (μm)	30±2	30±2	30±2	27±2	40±2	52±2
Cladding diameter (μm)	235±5	235±5	235±5	215±5	325±5	425±5
Coating diameter (μm)	370±10	370±10	370±10	360±10	460±10	540±10
Transmission window (nm)	1530-1625	1260-1360	980-1100	800-920	1960-2120	2820-3100
Maximum attenuation (dB/km)	0.5	0.5	2	1.4	1.4	62
Mode field diameter (μm)	21±2@1550nm	20.5±2@1310nm	20±2@1060nm	19.5±2@850nm***	28.5±2@2000nm***	37±2@3000nm***
Dispersion coefficient (ps/nm/km)	3±3@1550nm	3±3@1310nm	/	/	/	/
Macro-pending loss/D60-100 turns (dB)	≤0.1@1550nm	≤0.1@1310nm	/	/	/	/

- Features
- Multi-layered, nodeless, negative curvature structure
 - Low loss and long delivery length
 - Customizable in terms of transmission wavelengthcore diameter. and fibre size
 - Large mode field diameter. low nonlinearity, highdamage threshold, and suitable for gas /liquid filling

- Applications
- Low-latency communication
 - Special-wavelength optical transmission
 - Gas detection/laser
 - Fluid sensina/detection
 - High-power laser transmission

FarBand® Cut-off shifted Single-mode Optical Fiber

Fiber Optic Conectivity

FarBand® fibre is designed specially for long-haul optical transmission systems.It makes performance optimization in both c band (1530-1565nm) and L band(1565-1625nm). Its enlarged effective area suppresses nonlinear effect in the processand increases nonlinear tolerance for transmission system. Meanwhile FarBand fibrer reduces attenuation in both C band and L band. The fibre fully meets the demands fortransmitting signal with high speed, high capacity and extended networking distancesover one single fibre.

Applications
Attributed to its large effective area and lower attenuation performance, FarBande fibre is the optimum choice that supports various applications such as Ethernet, internet Protocol (IP), Synchronous Optica Network (SONET) and Wavelength Division Multiplexing (WDM). FarBande fibre enables high input powerand minishes transmitted power distribution density because of its enlarged effective area, suppressing nonlinear effect, such as Brillouin scattering, self-phase modulation and cross phase modulation, thus itsatisfys multi-channel DWDM system. Meanwhile FarBande fibre provides low signal attenuation, whichsatisfys the optical fibre attenuation requirement in long haul transmission, and provides more systemredundancy.

Norms
FarBande fibre complies with or even exceeds the ITU-T G.654.B/E recommenda-tion and IEC 60793-2-50B1.2 Optical Fibre Specification.

Characteristics
Designed for 40G/100G/ 100G beyond large capacity, long-haul Dense Wavelength Division Multiplexing(DWDM) system operation overC band (1530-1565nm)and L band (1565-1625nm)Large effective area reduces nonlinear effect in the transmission process, ensuring good system perfor.mance Lower attenuation level, which meets the demand ofextended long distance transmission Lower bending induced loss at 1550nm and more sensitive 1625nm window.

Characteristics	Conditions	Specified values
Optical Characteristics		
Nominal Effective Area	1550nm	125μm ²
Mode Field Diameter	1550nm	12.0-13.0μm
Attenuation	1550nm	≤0.19dB/km
	1625nm	≤0.21dB/km
Attenuation vs. Wavelength Max. a difference	1525-1575nm, in reference to 1550nm	≤0.02dB/km
	1525-1625nm, in reference to 1550nm	≤0.03dB/km
Dispersion Coefficient	1550nm	≤23ps/(nm·km)
	1625nm	≤27ps/(nm·km)
Dispersion Slope	1550nm	0.05-0.07ps/(nm ² ·km)
Maximum Individual Fibre	/	≤0.1ps/√km
Link Design Value(M=20,Q=0.01%)	/	≤0.04ps/√km
Typical Value	/	0.03ps/√km
Cable Cut off Wavelength (λ _{cc} .)	/	≤1520nm
Effective Group Index of Refraction	1550nm	1.465
Point Discontinuities	1550nm	≤0.05dB
Geometrical Characteristics		
Cladding Diameter	/	125.0±1.0μm
Cladding Non-Circularity	/	≤1.0%
Coating Diameter	/	235-255μm
Coating-Cladding Concentricity Error	/	≤12.0μm
Coating Non-Circularity	/	<6.0%
Core-Cladding Concentricity Error	/	<0.6μm
Curl(radius)	/	24m
Delivery Length ¹	/	Up to 25.2km/reel

JZ-1322-1R



- Features
- Nice shape and structure
 - Protects and manages cable effectively
 - Positive fiber management
 - Standard size, light weight
 - Can be wall mounted
 - High quality material
 - Easy to operate
 - Suitable for indoor use

- Application
- Telecommunication subscriber loop
 - Fiber to the home(FTTH)
 - LAN/WAN

- Dimensions
- 116x86x23mm

JZ-1322-4F



- Features
- Nice shape and structure
 - Protects and manages cable effectively
 - Positive fiber management
 - Standard size, light weight
 - Can be wall mounted
 - High quality material
 - Easy to operate
 - Suitable for indoor use

- Application
- Telecommunication subscriber loop
 - Fiber to the home(FTTH)
 - LAN/WAN

- Dimensions
- 80x80x31mm

BWN-FTTR-4K



- Features
- Suitable for multi type module installation, application in the work area routing subsystem.
 - The embedded surface box, installation, convenient disassembly with protective door, dust according to customer requirements can be printed LOGO.
 - Made up of ABS+PC high quality engineering plastic material with excellent intensity.
 - Application of optical fiber with SC, LC, DLC different environment bright dress, flush plate. A combination of all the modules can be according to customer selection and configuration.
 - Can be opened and closed easily. 6. All modules are free welding mode.
 - Protection level: IP20

- Dimensions
- 80x80x31mm

FCS-4F



This mini Fiber Optic Socket Panel fiber optic termination box is used for splicing and termination between indoor fiber optic cable and pigtails with SC or LC duplex type. The termination box is used for wall mounted or desktop applications. Made of the plastic material, is easy to install in home or office. Outlets are designed to fit SC fiber optic cable patch cord adapter, used in work location subsystem.

Dimensions and Capacity	
Color	White
Weight	75g
Adapter Type	SC Simplex/LC Duplex
Adapter Capacity	4 pcs
Temperature	-40°C ~ +65°C
Dimensions	100x85x30mm

WOT-YF4C

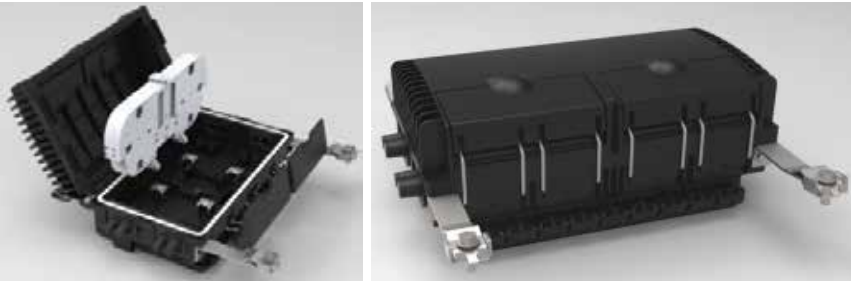


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Dimensions and Capacity	
Color	White
Weight	75g
Adapter Type	SC Simplex/LC Duplex
Adapter Capacity	2 pcs
Temperature	-40°C ~ +65°C
Dimensions	100x80x30mm

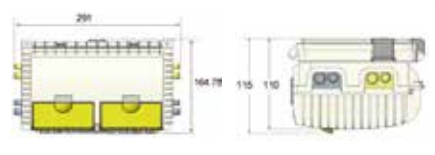
OTB-P027

OTB-P027 is a fiber optic terminal box that has two side doors for loading fiber optic splitter & fiber optic adapter, fiber splicing and fiber distribution. It is outdoor aerial handed application.



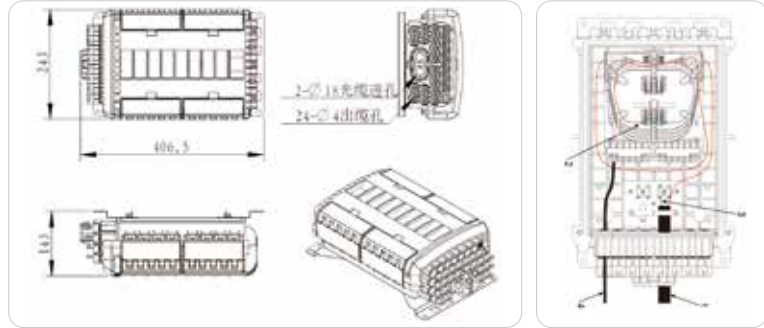
- Features
- Material: ABS plastic
- Max.48 fibers, 2pcs splice tray
- Can load 16pcs SC simplex adapter
- Can load PLC 1:8 or 1:16 steel tube type splitter
- 8pcs cable ports (4pcs Φ14mm, 4pcs Φ10mm) for cable entry & exit
- Waterproof, outdoor aerial hanged, IP65
 - Two doors: A side door for fiber splicing, B side door for cable management.

- Application
- FTTH access network.
 - Telecommunication Networks
 - CATV Networks
 - Data communications Networks



Splicing Capacity	Dimension	Adapter port
48 fibers	164.75x291x115mm	Max. 16pcs SC simplex adapters

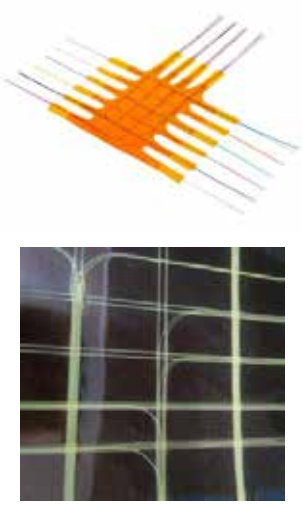
OTB-P037-B



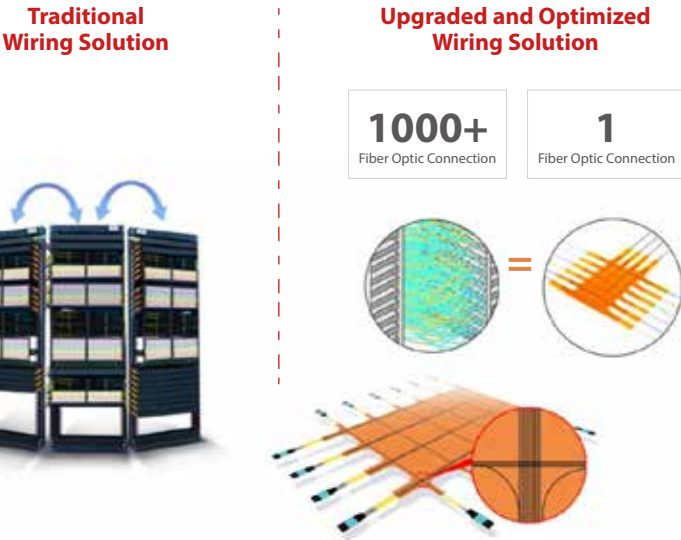
- Product Material: PP with fiberglass + impact-resistant PP
- Sealing Method: Mechanical seal
- Waterproof Rating: IP65
- Installation Method: Wall-mounted
- Color: Black
- Dimension: 243x406.5x143mm
- Fiber Tray: Equipped with 2 OST-061 fiber trays (24 cores) or 4 (48 cores)
- Product Features: 2 inputs, 24 outputs; input cable port ϕ18mm; standard output cable port ϕ4mm (optional ϕ6mm output port). Operates in environments from -35°C to 70°C, resistant to cold, heat, electrical insulation, and chemical corrosion.

Fiber Optic Backplane Products

Flexible optical backplanes are used for high-fi-ber-count interconnections in backplane and cross-connect systems, offering a new manageable solution for fiber routing between cards or racks. Compared to traditional fiber optic cable bundles, they significantly save space and reduce weight. Flexible optical backplanes contain numerous fibers, with counts reaching up to thousands of cores. These fibers are encapsulated within a thin protective substrate, allowing for hybrid point-to-point arrangements or logical configura-tions tailored to customer requirements. They can be pre-connected to customer-specified ports (such as MT, SC, or LC connectors).



Comparison of Wiring Solutions



- ✔ Significantly saves space
- ✔ Reduces link loss

Item	Specification
Base Material	High-temperature resistant, flexible, and environmentally friendly
Operating Temperature	70°C
Number of Fiber Cores Accommodated	Customized
Fiber Flex Plate Thickness	≤8mm
Insertion Loss	≤1.4dB(1310nm & 1550nm)
Return Loss	≥40dB(1310nm & 1550nm)

Customed pretermed MPO Special Patchcord

Fiber Optic Conectivity

KOC has a professional production capacity of MPO special patchcords, which can be customized according to customer needs to meet the requirements of various special connections & applications.

- Features
- Customed solution
 - Special polarity
 - Special connection&application
 - Special pretermed MPO
 - ROHS Compliant

96F 900um MPO Pretermed



Octagonal Closed Loop MPO Pretermed



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