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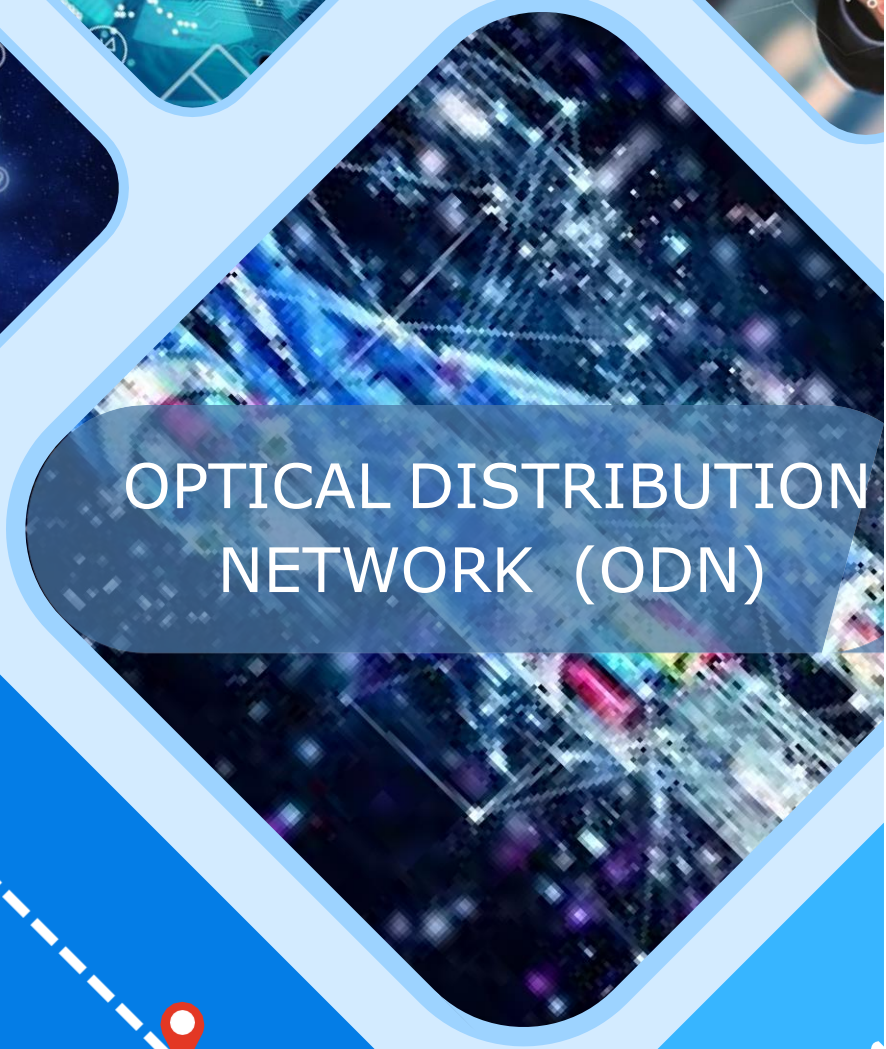

# OPTICAL DISTRIBUTION NETWORK (ODN)

# PRODUCT BROCHURE

RDM Solution for
Optical Distribution Network (ODN)
Product & Accessories

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OPEN ZIPPER FOR SOLUTION

2023
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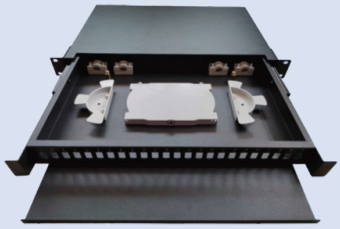
# 12/144FOTB19 RACK TYPE



## DESCRIPTION :

The OTB Rack Type is used to terminate and distribute optical fiber cables, termination box is ranging 12 ports, They are convenient equipment to organize and connect the fiber links. It is suitable for the use telecommunication network, central office optical cable system and premise fiber network. Each fiber optic termination box is fully loaded with adapters, splice trays and kinds of sliding type fiber optic patch panels with different optical adapter interface.

## FEATURES :

- Material: Mild Steel Spray painting
- Telecommunication Networks System
- Passive telecommunication networks (PON)
- FTTH, CATV
- Fiber test equipment
- Fiber sensor
- LAN cable (Φ 8 mm -Φ 13 mm).

## TECHNICAL INDEX :

- Availed to suit only adapter type
- You can apply SC/LC
- Compatible with screwed adapters and screwless adapters
- Maintains fiber bending radius throughout for terminated optic fibers at 30 mm
- Units can be custom design
- Can be supplied with Pigtail, Special splice cassette, Heat Shrink splice protectors

## SPECIFICATION :

| Model | Size (W×D×Hmm) |
|---|---|
| OTB 12F-24F (1U) | (W) 487mm×(D)342mm×(H)44.5mm(1U) |
| OTB 48F (1.5U) | (W) 487mm×(D)342mm×(H)67mm(1.5U) |
| OTB 96F (3U) | (W) 487mm×(D)342mm×(H)134mm(3U) |
| OTB 144F (4U) | (W) 487mm×(D)342mm×(H)178mm(4U) |
| Adapter Type | SC/LC |

# FDT-M081SMC WALL MOUNTING FIBER CABINET

## PRODUCT INTRODUCTION :

Wall mounting Fiber Cabinet FDT-M081SMC is mainly used for jointing fiber and pigtail. It protects fiber splices and helps to distribute. The box can be installed FC, SC, ST, LC type adaptors. Also can be connected the light conversion equipment by a patch cord. It is a wall mounting type, which is used in telecommunication room.

## FEATURES :

- Shell material SMC, high mechanical strength.
- Cable fixing device. With cable fixing device, fiber splice tray
- Splice tray with overturn structural, the open angle >90°, fiber storage diameter >30mm.
- Earthing deriving device, ample fiber storage space.
- Can be installed FC, SC, ST, LC type adaptors.

## TECHNICAL DATA :

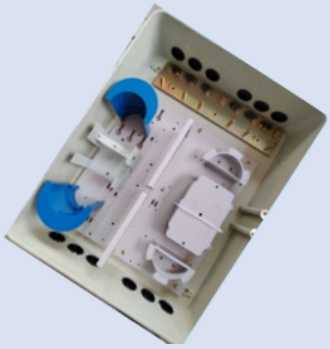
- Insulating resistance: ⩾2×10^4 MΩ/500V (DC) .
- Voltage resistance strength: no breakdown or arc over between the metallic components, between metallic components and the ground at DC 15KV for 1 minutes.
- The fiber curved radius : >30mm.
- Service life: 20 years..
- Air pressure: 70KPa～106KPa.

## ORDERING INFORMATION :

| Model | Dimension (mm) | Splice tray | Unit | Max Capacity |
|---|---|---|---|---|
| FDT-M081SMC- I | 630×440×270 | 12F Splice tray （8 pcs of tray 034) | Set | 96F |
| FDT-M081SMC- II | 770×540×300 | 12F Splice tray (12 pcs of tray 034) | Set | 144F |

# ODC-96A DISTRIBUTION BOX





## DESCRIPTION :

ODC-96A Distribution Box are used in the terminal link of FTTH access system, Especially suitable for pole and wall mounting application. In the optical fiber transmission network, splitter distribution box is the ideal equipment between optical node and terminal. With the functions of fiber storge, split, and distribution. It is divided outdoor type.

## FEATURES :

- The housing material is SMC.
- The fibers distribution clearly,easy to operate.
- Capacity: Max. 96 cores, 96 SC adaptors
- Cable entry points: There are 12 entry and exit holes in total, with a diameter of 24 mm.

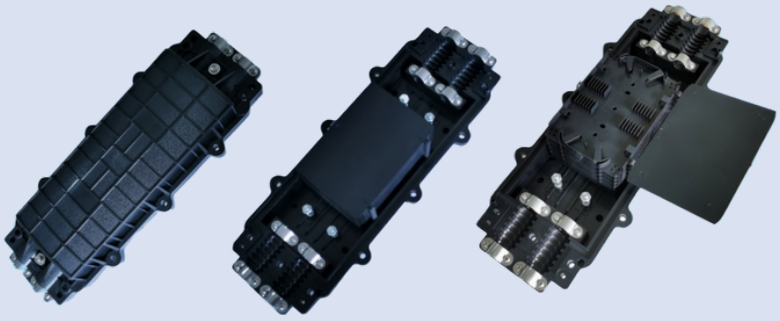
## TECHNICAL INDEX :

- Insulation resistance : ›2×10^4 MΩ/500V
- Operating temperature -40℃~+60℃
- Connector Loss (Insertion, repeatbility, interchangeability) ⩽0.5dB
- Retrun Loss: PC⩾45dB, UPC⩾50dB, APC⩾60dB

## ORDERING INFORMATION :

| Type | Max. Capacity | Size (W×H×Lmm) | Application type |
|---|---|---|---|
| Outdoor type | 96F | 485×385×132 | Wall and pole mounting |

# FYW-001 FIBER OPTIC SPLICE CLOSURE



## FEATURES :

- The closure adopts horizontal mechanical sealing and advanced internal structure design.
- To adopt engineering PC plastic with high-strength to make the closure has longer life time and excellent sealing performance.
- The closure is spacious enough for winding and storing fibers.
- The patented sealing structure keep good sealing performanc after re-entry and re-using.
- It works for mid--span and branching.
- It could save the installation time and improve work efficiently.

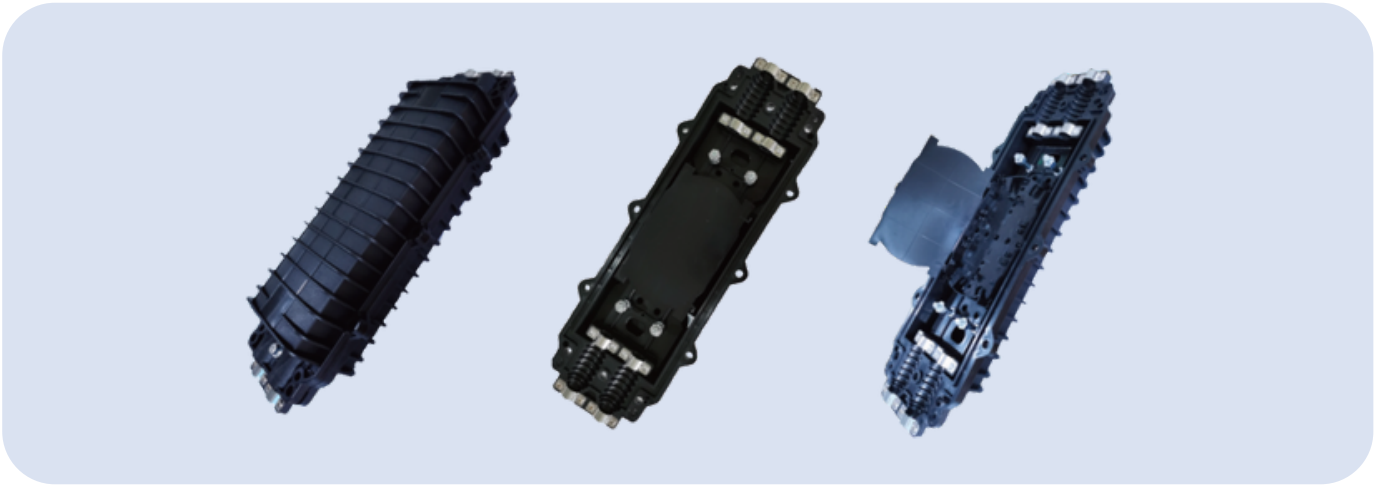
## APPLICATION :

- Suitable for bunchy & ribbon fibers
- Aerial, underground, wall-mounting, hand hole-mounting, pole-mountingand duct-mounting

## ORDERING INFORMATION :

| Model | Max. Capacity | Size (L×W×Hmm) | Fiber cable ports | Application type |
|---|---|---|---|---|
| FYW-001 | 144F | 460×180×120 | 4-φ20 | Wall and aerial mounting |

# FYW-002 FIBER OPTIC SPLICE CLOSURE



## FEATURES :

- The closure adopts horizontal mechanical sealing and advanced internal structure design.
- To adopt engineering PC plastic with high-strength to make the closure has longer life time and excellent sealing performance.
- The closure is spacious enough for winding and storing fibers.
- The patented sealing structure keep good sealing performance after re-entry and re-using.
- It works for mid-span and branching.
- It could save the installation time and improve work efficiently.

## APPLICATIONS :

- Suitable for bunchy & ribbon fibers.
- Aerial, underground, wall-mounting, hand hole-mounting, pole-mountingand duct-mounting.

## ORDERING INFORMATION :

| Model | Max. Capacity | Size (L×W×Hmm) | Fiber cable ports | Application type |
|---|---|---|---|---|
| FYW-002 | 48 F | 460×160×105 | 4-φ16 | Wall and aerial mounting |

# DOME HEAT SHRINKABLE SEAL FIBER OPTIC SPLICE CLOSURE (FOSC)

## FEATURES :

- The closure adopts heat shrinkable sealing structure. There is one big oval shaped inlet/outlet port in base. The big oval shaped port is used for the sealing of uncut straight-through fiber cable, the small ports are used for branch fiber cable and drop cable.
- It adopts engineering PP plastic with high-strength to make the closure has longer life time and excellent sealing performance.
- The patented sealing structure keep good sealing performance after re-entry and re-using.
- The bending radius of FOSTs meet the international standard.
- It could save the installation time and improve work efficiently.
- Degrees of protection is up to IP68.

## APPLICATIONS :

- Suitable for bunchy & ribbon fibers
- Aerial, underground, wall-mounting, hand hole-mounting, pole-mounting and duct-mounting

## ORDERING INFORMATION :

| Type | Fibers/Tray | Max. Capacity | Tray# | Suitable Cable Dia. allowes (mm) |
|---|---|---|---|---|
| GJS-2035 (Bunchy) | 24F | 144F | 098 | 1 big oval port:25mm<br>4 small round ports: 22mm |

# GP-12C SPLITTER DISTRIBUTION BOX

## DESCRIPTION :

GP-12C Splitter Distribution Box are used in the terminal link of FTTH access system, Especially suitable for pole and wall mounting application. In the optical fiber transmission network, splitter distribution box is the ideal equipment between optical node and terminal. With the functions of fiber storge, split, and distribution. It is divided outdoor type.

## FEATURES :

- The housing material is PC+ABS
- Duble layer design, upper layer is splitter, lower is for fusion. The fibers distribution clearly, easy to operate.
- Capacity: 12 cores, 12 SC adaptors
- Can installed one 1:8 (or 2:8) Blockless/Bare PLC Splitter
- Cable entry points :12 pcs for drop cable (2* 3mm), 2 pcs for express/cascade cable (Φ 8 mm - Φ 16 mm)

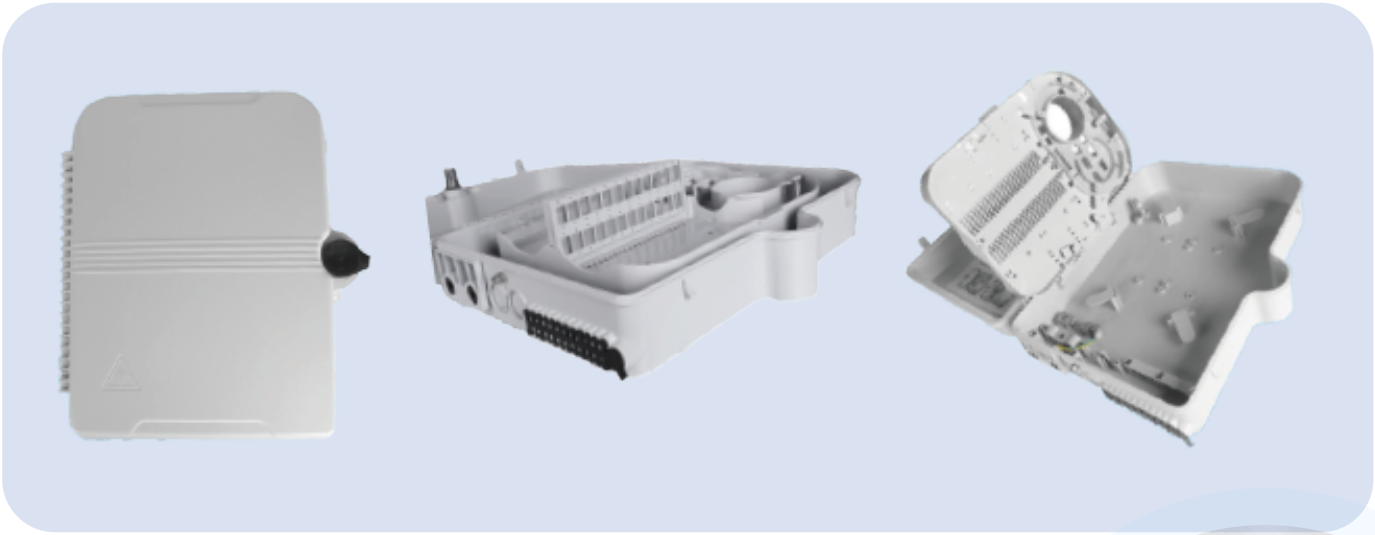
## TECHNICAL INDEX :

- Insulation resistance:>2 ×1o^4 M Ω/500V
- Operating temperature -40℃~+60 ℃
- Connector Loss: (Insertion, repeatbility, interchangeability) ⩽0.5dB
- Retrun Loss: PC⩾45dB, UPC⩾50dB, APC⩾60dB

## ORDERING INFORMATION :

| Type | Modle | Max. Capacity | Size(L×W×H mm) | Max.Ratio | Application type |
|---|---|---|---|---|---|
| Outdoor type | GP-12C | 12F | 225×200×65 | 1-1:8 | Wall and pole mounting |

# GP-24A SPLITTER DISTRIBUTION BOX



## DESCRIPTION :

GP-24A Splitter Distribution Box are used in the terminal link of FTTH access system, Especially suitable for pole and wall mounting application. In the optical fiber transmission network, splitter distribution box is the ideal equipment between optical node and terminal. With the functions of fiber storge, split, and distribution. It is divided outdoor type.

## FEATURES :

- The housing material is PC+ ABS
- Double layer design, upper layer is splitter, lower is for fusion. The fibers distribution clearly, easy to operate.
- Capacity: 24 cores, 24 SC adaptors
- Can installed one 1:16 Blockless/Bare PLC Splitter
- Cable entry points: 24 pcs for drop cable (2* 3mm), 2 pcs for express/cascade cable(Φ 8 mm-Φ 14 mm).

## TECHNICAL INDEX :

- Insulation resistance: › 2 X 10' MΩ /500V
- Operating temperature -40℃ ~ +60℃
- Connector Loss:(Insertion. repeatability, interchangeability) 0 5dB
- Return Loss:PC⩾45dB, UPC⩾50dB, APC⩾60dB

## ORDERING INFORMATION :

| Type | Model | Max. Capacity | Size ( L x W x H mm) | Max. Ratio | Application type |
|---|---|---|---|---|---|
| Outdoor type | GP-24A | 24F | 320×275×115 | 1 : 16 | Wall and pole mounting |

# GP-16G SPLITTER DISTRIBUTION BOX

## DESCRIPTION :

GP-16G Splitter Distribution Box are used in the terminal link of FTTH access system. Especially suitable for pole and wall mounting application. In the optical fiber transmission network, splitter distribution box is the ideal equipment between optical node and terminal. With the functions of fiber storge, split, and distribution. It is divided outdoor.

## FEATURES :

- The housing material is PC+ ABS
- Double layer design, upper layer is splitter, lower is for fusion. The fibers distribution clearly, easy to operate.
- Capacity: 12-24 cores, 16 SC adaptors.
- Can installed 2pcs 1:8 or 1pcs 1:16 Block less /Bare PLC Splitter.
- Cable entry points: 16 pcs for drop cable (2* 3mm), 2 pcs for express/cascade cable (Φ 6 mm - Φ 12 mm).

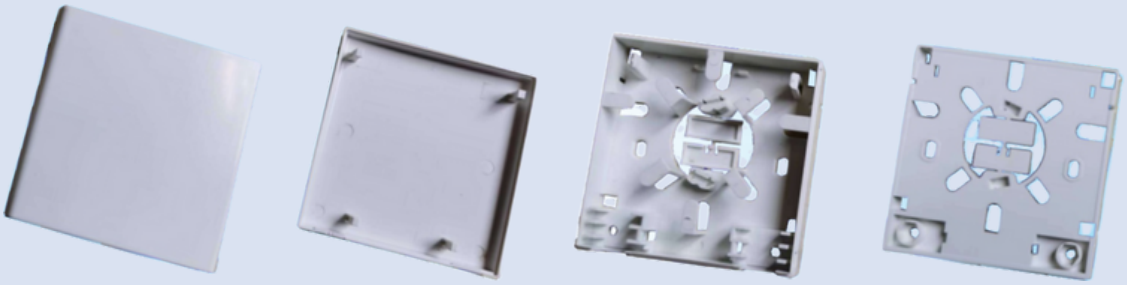
## TECHNICAL INDEX :

- Insulation resistance: › 2 X 10' MΩ /500V
- Operating temperature -40℃ ~ +60℃
- Connector Loss:(Insertion. repeatability, interchangeability)≤ 0 5dB
- Return Loss:PC≥45dB, UPC≥50dB, APC≥60dB

## ORDERING INFORMATION :

| Type | Model | Max. Capacity | Size ( L x W x H mm) | Max. Ratio | Application type |
|---|---|---|---|---|---|
| Outdoor type | GP-16G | 12-24F | 306×236×102 | 2-1:8/1-1:16 | Wall and pole mounting |

# GP-86 FTTH WALL OUTLET 86 TYPE



## DESCRIPTION :

GP-86 FTTH Wall Outlet Type can be multi-use to achieve a variety of fiber optic cable in multi-mode access, and fixed fiber optic cable. No additional insertion loss, protection of optic fiber and cable reduce the potential risk, simple and convenient for construction

## FEATURES :

- Compatible with Φ0.2-Φ3.0mm pigtail &3.0×2.0mm indoor drop cable.
- Compatible with SC&FC adapter,optical fast connectors.
- 86×86 format
- Snap on cover.
- Simple, easy to use.

## TECHNICAL INDEX :

- Single mode and Multimode fibers.
- FTTx appliacations
- Wall mount or fiber distribution

## ORDERING INFORMATION :

| | |
|---|---|
| Applications | Φ0.2-Φ3.0mm pigtail & 3.0×2.0mm indoor drop cable |
| Fiber Capacity | 2 cores |
| Adapter Type | SC & FC |
| Fiber mode | Sigle & Multi mode |
| Size(W×H×L) | 86×86×23 mm |

# 4 CORE FIBER OPTIC DISTRIBUTION BOX

## FEATURES :

- Total enclosed structure.
- Material: ABS, wet-proof, water-proof、dust proof, anti-aging, protection level up to Ip65.
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage distribution etc all in one.
- Cable, pigtails, patch cords are running through own path without disturbing each other, cassette type SC adaptor, installation, easy maintenance.
- Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation.
- Box can be installed by the way of wall-mounted or poled. mounted, suitable for both indoor and outdoor uses.

## APPLICATIONS :

- Capacity: 4 cores (1 pcs 4 cores splice tray).
- Nos of PLC: 1 pcs of 1x4.
- Nos of Adaptor: 4 pcs of SC (max).
- Ports: 4 ports

## ORDERING INFORMATION :

| Type | Modle | Max. Capacity | Size(L×W×Hmm) | Application type |
|---|---|---|---|---|
| Outdoor type | ST-F309 | 4F | 150×120×30 | Wall and pole mounting |

# FAT022A-24 SPLITTER DISTRIBUTION BOX

## DESCRIPTION :

The FAT022A-24 multifunctional optical termination box is designed to facilitate the installation of fiber drop cables intended for optical network service through optical splitter, protects the connection against aggressive agents from the external environment. It is made of high strength materials UV resistant resistance to rain, Protection class is up to IP65 can be used in indoor and outdoor e nvironment, safe, reliable , cost effecti ve, provide the best solutions for optical access networks.

## FEATURES :

- Easy Optical cable entry using the detachable main cable port cover at the bottom, fiber drop cables has separate port entry with easy cable management.
- A new waterproof design, suitable for pole, wall and other natural environment.
- .The box of "locking" type structure, the box body opening and closing, the use of more secure.
- The product can meet the different needs of the hot melt and cold then, high versatility.

## TECHNICAL INDEX :

- The air pressure: 6 5 kPa 105kPa
- Operating temperature -40℃ ~ +60℃
- Environmental Humidity: 95% at 40℃

## ORDERING INFORMATION :

| Type | Model | Max. Capacity | Size ( L x W x H mm) | Max. Ratio | Application type |
|---|---|---|---|---|---|
| Outdoor type | FAT022A-24 | 24F 48F | 340×260×117 | 1:4, 1: 8, 1:16 | Wall and pole mounting |

# OPTICAL FIBER PATCH CORDS

## DESCRIPTION :

Optical Fiber Patch Cord (Jumper) is a length of optical fiber with two ends adding connectors to connect beam path. Pigtail is a length of fiber permanently attached connector only at one end. B&D patch cords assembled with various types of connectors (such as FC, SC, ST, LC, MU, MTRJ etc.). There are three kinds of polished fiber end-face: PC, UPC and APC. We employ advanced technique and equipment to manufacture so as to ensure the high quality of mass production.

## FEATURES :

- High Return Loss
- Low Insertion Loss
- Good Repeatability
- Good Exchangeability
- High Temperature Stability.

## APPLICATIONS :

- LAN Optic-fiber Sensors
- Component Termination
- Optic-fiber Access Networks
- Optic-fiber Data Communications
- Optical Fiber Communication Systems

## SPECIFICATION :

| Parameters | | | | |
|---|---|---|---|---|
| Outdoor type | 485×385×132 | | | |
| Cable Type | PVC, LSZH, OFNP | | | |
| Fiber Type | 9/125um, 50/125,62.5/125 | | | |
| Connector Type | FC, LC, SC, ST, MU, MTRJ, MPO, E2000 | | | |
| Ceramic Ferrule | PC(SM) | UPC(SM) | APC(SM) | PC(MM) |
| Insertion Loss(dB) | < 0.20 | < 0.20 | < 0.20 | < 0.30 |
| Repeatability(dB) | < 0.10 | | | |
| Changeability(dB) | < 0.20 | | | < 0.30 |
| Return Loss(dB) | >45 | >50 | >60 | >40 |

# MODULE TYPE PLC SPLITTER

## DESCRIPTION :

Planar Lightwave Circuits(PLC)Optical Splitter are fully passive optical branching devices that exhibit very low intertion loss and PDL,great channel uniformity and a wide wavelength operative range.These splitter are manufactrued and testsed to Telcordia-1209-core & GR-1221-core to provide high performance,specifically designed to meet the tough requirement of FTTH,PON and CATV network.

## FEATURES :

- High uniformity
- Low insertion loss
- Compact & small size
- High reliability and stability
- Optinal input & output

## TECHNICAL INDEX :

- FTTH,FTTC,FTTB
- Passive Optical Networks (PON)
- CATV networks and data communications
- Fiber optic equipments and systems

## SPECIFICATION :

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Wavelength (nm) | 1260-1650 | | | | | | | | | |
| Parameters | 1×4 | 1×8 | 1×16 | 1×32 | 1×64 | 2×4 | 2×8 | 2×16 | 2×32 | 2×64 |
| Insertion Loss (with connector) (dB) | ≤7.4 | ≤10.5 | ≤13.8 | ≤17.1 | ≤20.4 | ≤7.7 | ≤10.8 | ≤14.1 | ≤17.4 | ≤21 |
| Uniformity (dB) | ≤0.8 | ≤0.8 | ≤1.0 | ≤1.5 | ≤2.0 | ≤1.0 | ≤1.0 | ≤1.5 | ≤2.0 | ≤2.5 |
| PDL (dB) | ≤0.2 | ≤0.25 | ≤0.3 | ≤0.3 | ≤0.3 | ≤0.4 | ≤0.2 | ≤0.3 | ≤0.3 | ≤0.3 |
| Size (H×W×L) (mm) | 10×80×100 | | 18×80×120 | | 18×115×141 | 10×80×100 | | 18×80×120 | | 18×115×141 |
| ReturnLoss (dB) | UPC≥50 APC≥55 | | | | | | | | | |
| Dircetivity (dB) | ≥55 | | | | | | | | | |
| Temperature Range (℃) | -40~+85 | | | | | | | | | |
| Storage Temperature (℃) | -40~+85 | | | | | | | | | |

# BLOCKLESS PLC SPLITTER

## DESCRIPTION :

Planar Lightwave Circuits(PLC)Optical Splitter are fully passive optical branching devices that exhibit very low intertion loss and PDL,great channel uniformity and a wide wavelength operative range.These splitter are manufactrued and testsed to Telcordia-1209-core & GR-1221-core to provide high performance,specifically designed to meet the tough requirement of FTTH,PON and CATV network.

## FEATURES :

- High uniformity
- Low insertion loss
- Compact and small size
- High reliability and stability
- Optional input and output

## TECHNICAL INDEX :

- FTTH, FTTC, FTTB
- Passive Optional Networks (PON)
- CATV networks and data communications
- Fiber optic equipments and system

## SPECIFICATION :

| Wavelength (nm) | 1260-1650 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameters | 1×2 | 1×4 | 1×8 | 1×16 | 1×32 | 1×64 | 2×4 | 2×8 | 2×16 | 2×32 | 2×64 |
| Insertion Loss (with connector) (dB) | ≤4.4 | ≤7.5 | ≤11.0 | ≤14.2 | ≤17.5 | ≤21.5 | ≤7.7 | ≤10.8 | ≤14.4 | ≤17.8 | ≤22 |
| Uniformity (dB) | ≤0.6 | ≤0.6 | ≤1.0 | ≤1.2 | ≤1.7 | ≤2.5 | ≤1.0 | ≤1.0 | ≤1.5 | ≤2.0 | ≤2.5 |
| PDL (dB) | ≤0.2 | ≤0.2 | ≤0.2 | ≤0.2 | ≤0.3 | ≤0.4 | ≤0.2 | ≤0.3 | ≤0.3 | ≤0.3 | ≤0.4 |
| Size (H×W×L) (mm) | 4×7×60 | | | 4×12 ×60 | 6×20 ×80 | 6×40 ×100 | 4×7×60 | | 4×12× 60 | 6×20 ×80 | 6×40 ×100 |
| ReturnLoss (dB) | UPC≥50 APC≥60 | | | | | | | | | | |
| Dircetivity (dB) | ≥60 | | | | | | | | | | |
| Temperature Range (℃) | -40~+85 | | | | | | | | | | |
| Storage Temperature (℃) | -40~+85 | | | | | | | | | | |

# PGT.AR PIGTAIL

## DESCRIPTION :

Optical Fiber Pigtail is a length of optical fiber with one ends adding connectors to connect beam path. Pigtail is a length of fiber permanently attached connector only at one end. These Pigtails assembled with various types of connectors (This is SC/APC Type).We employ advanced technique and equipment to manufacture so as to ensure the high quality of mass production.

## FEATURES :

- High Return Loss
- Low Insertion Loss
- Good Repeatability
- Good Exchangeability
- High Temperature Stability

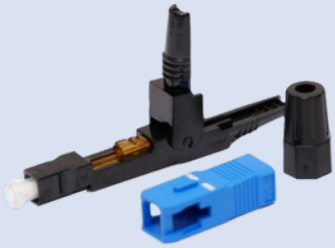
## TECHNICAL INDEX :

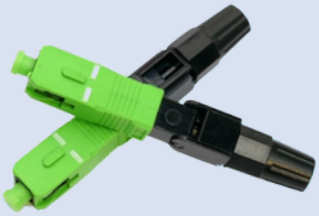
- LAN Optic-fiber Sensors
- Component Termination
- Optic-fiber Access Networks
- Optic-fiber Data Communications
- Optical Fiber Communication Systems

## SPECIFICATION :

| Parameters | |
|---|---|
| OD of cable | Φ 2.0 mm |
| Cable Type | PVC, LSZH, OFNP |
| Cable Length | 3 m |
| Fiber Type | 9/125um, 50/125,62.5/125 |
| Connector Type | SC/APC |
| Ceramic Ferrule | APC(SM) |
| Insertion Loss(dB) | < 0.20 |
| Repeatability(dB) | < 0.10 |
| Changeability(dB) | < 0.20 |
| Return Loss(dB) | >60 |

# FIELD ASSEMBLY CONNECTOR FMC - D|||- APC/UPC





## DESCRIPTION :

Field Assembly Connector(Fast Connector) adopts the newest fiber terminal technology, the optical and mechanical properties are all up to the standard jump cable, it provides powerful technical support for FTTH access. The key tech is preinstalled fiber and inserted fiber connect by matching gel in the V-Shaped groove. Field Assembly Connector adopts special designed glass V-shaped groove, the material is as same as optical fiber, it could keep fiber won't be changed by the varies temperature, to minimize the insertion loss.

## FEATURES :

- Field installable, high reliability.
- Fiber pre-installed, no polishing required.
- Compact size, lightweight.
- Suitable for drop cable and pigtail to home.

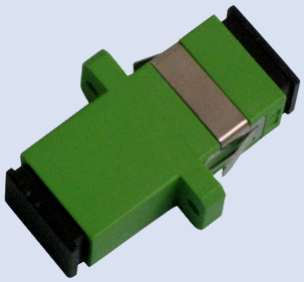
## TECHNICAL DATA :

- Premise & FTTP applications for Indoor & putdoor
- Repair/replacement requirements
- Direct equipment termination

## SPECIFICATION :

| | |
|---|---|
| Applications | For 2×3mm,2×5.3mm bow-type drop cable 3mm round drop cable 1.6*2.0mm drop cable,0.9mm round cable |
| FiberDiameter | 0.125mm |
| Fiber mode | Single mode or Multi mode |
| Operation time | About 50(no fiber cut) |
| InsertionLoss | ≤0.35dB |
| Reflection Loss | UPC≥50dB, APC≥55dB |
| Fastening strength of naked fibe | >3N |
| Operating Temperature | -40~+85℃ |
| Drop-off test (drop-off height4m, once per direction, totally 3 times) | △IL≤0.3dB |
| Mechanical durability (500 times) | △IL≤0.3dB |
| Reusable | >10times |
| Size(W×H×L) | 14.7×7.8×15mm |

# A.SC-APC.S ADAPTOR



## DESCRIPTION :

PC/APC Adaptor as FC, SC, ST, LC, MU, MTRJ etc. There are three kinds of polished fiber end-face: PC and APC, we employ advanced technique and equipment to manufacture so as to ensure the high quality of mass production.

## FEATURES :

- High Return Loss
- Low Insertion Loss
- Good Repeatability
- Good Exchangeability
- High Temperature Stability

## TECHNICAL INDEX :

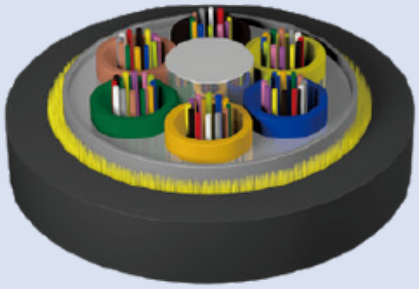
- LAN Optic-fiber Sensors
- Component Termination
- Optic-fiber Access Networks
- Optic-fiber Data Communications
- Optical Fiber Communication Systems

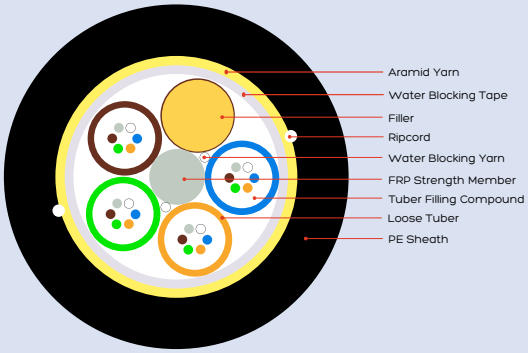
## SPECIFICATION :

| Parameters | | | | |
|---|---|---|---|---|
| ITEM | INSERT LOSS | RETENTION FORCE | REPEAT | TEMPERATURE |
| SC/APC | ≤0.2dB | 200-600g | <0.2dB(1000次) | -40C~+80%C |

# AERIAL CABLE ADSS-SS-100M-N-B1.3

## CROSS SECTION OF CABLE




Schematic for reference only

ADSS-SS-100m-24B1.3

## SCOPE :

This Specification covers the design requirements and performance standard for the supply of optical fiber cable in the industry. YOFC ensures a stable quality control system for our cable products through several programs including ISO 900 1, ISO 14001 and OHS.

## TECHNICAL CHARACTERISTICS :

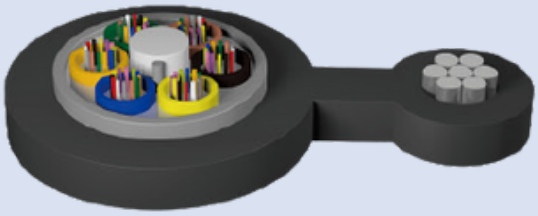
- The unique second coating and stranding technology provide the fibers with enough space and bending endurance which ensure good optical property of the fibers in the cable
- Accurate process control ensures good mechanical and temperature performance
- High quality raw material guarantees the long service life of cable
- Self supporting aerial installation
- Optical fiber cables supplied in compliance with this specifications is capable to withstand the typical service condition for a period of twenty five (25) years without detriment to the operation characteristics of the cable.

## APPLICATION :

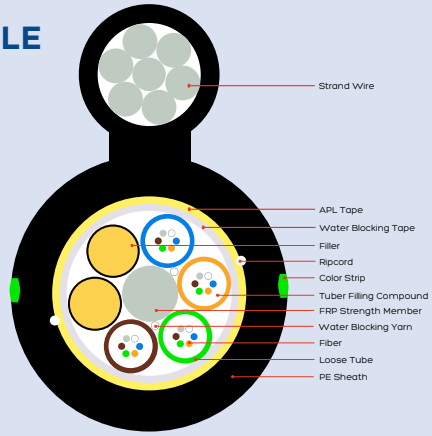
| Item | Value |
|---|---|
| Max. pole distance | 100m |
| Operation temperature | -40 °C～+70 °C |
| Storage temperature | -40 °C～+70 °C |
| Static bending radius | 10 times the cable diameter |
| Dynamic bending radius | 20 times the cable diameter |

# AERIAL CABLE FIGURE 8 GYFC8A-NB1.3


## CROSS SECTION OF CABLE



Schematic for reference only




GYFC8A-24B1.3

## SCOPE :

This Specification covers the design requirements and performance standard for the supply of optical fiber cable in the industry. YOFC ensures a stable quality control system for our cable products through several programs including ISO 9001, ISO 14001 and OHS.

## TECHNICAL CHARACTERISTICS :

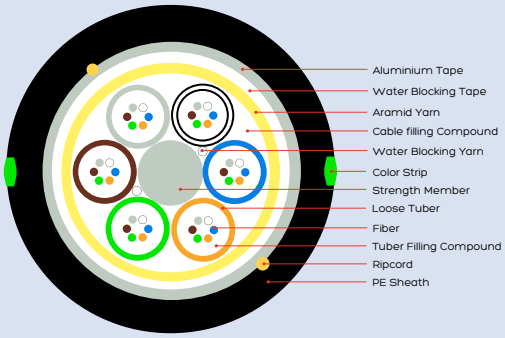
- The unique second coating and stranding technology provide the fibers with enough space and bending endurance, which ensure good optical property of the fibers in the cable
- Accurate process control ensures good mechanical and temperature performance
- High quality raw material guarantees the long service life of cable
- Optical fiber cables supplied in compliance with this specifications is capable to withstand the typical service condition for a period of twenty five (25) years without detriment to the operation characteristics of the cable.
- Operation temperature 10°C ~ 50°C

## MAIN MECHANICAL PERFORMANCE :

| Item | Tension | | Crush(N/100mm) |
|---|---|---|---|
| | With messenger wire | Without messenger wire | |
| 12/24 | 700 | 1.000 | 1.000 |
| 48 | | 1.200 | |
| 96 | | 1.700 | |
| 144 | | 1.700 | |

# DUCT CABLE GYTA-NB1.3/B4

## CROSS SECTION OF CABLE


Schematic for reference only

GYTA-(1+6)-36-B1.3/B4

## SCOPE :

This Specification covers the design requirements and performance standard for the supply of optical fiber cable in the industry. YOFC ensures a stable quality control system for our cable products through several programs including ISO 9001, ISO 14001 and OHS.

## TECHNICAL CHARACTERISTICS :

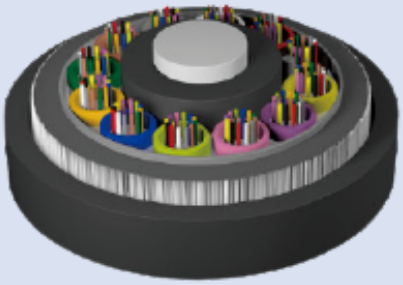
- The unique second coating and stranding technology provide the fibres with enough space and bending endurance, which ensure good optical property of the fibres in the cable.
- Accurate process control ensures good mechanical and temperature performance
- High quality raw material guarantees the long service life of cable
- Optical fiber cables supplied in compliance with this specifications is capable to withstand the typical service condition for a period of twenty five (25) years without detriment to the operation characteristics of the cable.

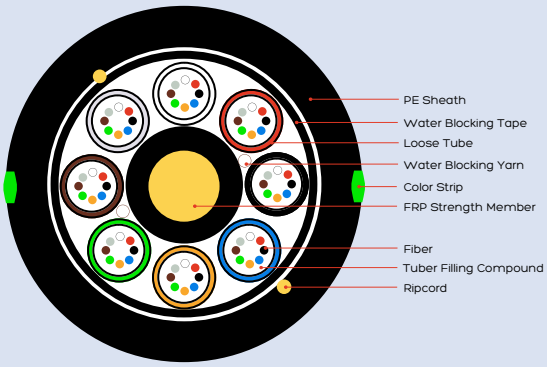
## MAIN MECHANICAL AND ENVIRONMENTAL PERFORMANCE :

| Item | Value |
|---|---|
| | 4 - 312 |
| Tensile performance(N) | 2.850 |
| Crush(N/100mm) | 2.200 |
| Operation temperature | -40 ~ +70 |
| Installation temperature | -10 ~ +60 |
| Storage temperature | -40 ~ +70 |

# DUCT CABLE GYFY-NB1.3

## CROSS SECTION OF CABLE






Schematic for reference only

GYFY-48B1.3

## SCOPE :

This Specification covers the design requirements and performance standard for the supply of optical fiber cable in the industry. YOFC ensures a stable quality control system for our cable products through several programs including ISO 9001, ISO 14001 and OHS.

## TECHNICAL CHARACTERISTICS :

- The unique second coating and stranding technology provide the fibres with enough space and bending endurance, which ensure good optical property of the fibres in the cable.
- Accurate process control ensures good mechanical and temperature performance
- High quality raw material guarantees the long service life of cable
- Optical fiber cables supplied in compliance with this specifications is capable to withstand the typical service condition for a period of twenty five (25) years without detriment to the operation characteristics of the cable.

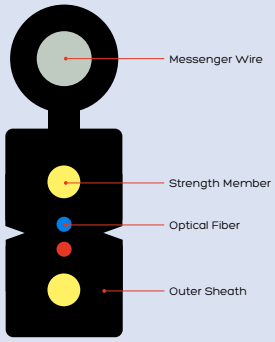
## APPLICATION :

| Item | Value |
|---|---|
| Operation temperature | -40 °C～+70 °C |
| Installation temperature | -40 °C～+70 °C |
| Storage temperature | -40 °C～+70 °C |
| Static bending radius | 10 times the cable diameter |
| Dynamic bending radius | 20 times the cable diameter |

# DROP CABLE GJYXCH -1/2 B6A2 (SELF-SUPPORTING BOW TYPE)

## CROSS SECTION OF CABLE

Schematic for reference only




## CABLE DESCRIPTION :

The optical fiber unit is positioned in the centre. Two steel wires are placed at the two sides. A steel wire as the additional strength member is also applied. Then, the cable is completed with a black or color LSZH sheath.

## APPLICATION :

- Internal FTTH applications horizontal and riser, especially suitable for the last leg in FTTH systems.

## CHARACTERISTICS :

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property
- Two parallel steel wires strength members ensure good performance of crush resistance to protect the fiber
- Steel wire as the additional strength member ensures good performance of tensile strength
- Simple structure, light weight and high practicability
- Novel flute design, easily strip and splice, simplify the installation and maintenance

## MAIN MECHANICAL AND ENVIRONMENTAL PERFORMANCE :

| Item | Test Method | Description | |
|---|---|---|---|
| Tensile performance | IEC 60794-1-2 Method E1 | short-term<br>long term | 600N<br>300N |
| Crush Resistance | IEC 60794-1-2 Method E3 | short-term<br>long term | 2200N/10cm<br>1000N/10cm |
| Impact Resistance<br>Repeat Bending<br>Torsion<br>Cable Bend | IEC 60794-1-2 Method E4<br>IEC 60794-1-2 Method E6<br>IEC 60794-1-2 Method E7<br>IEC 60794-1-2 Method E11 | No obvious change after test | |
| Temperature Range | IEC 60794-1-2 Method F1 | -40℃ ~ +70℃ | |
| Bending Radius | Static<br>Dynamic | 15mm<br>30mm | |