

ODF RACK MOUNT 6-36 FIBERS 1U SLIDE WITHOUT DRAWER

ECO Series



P/N : R1UD

Applications :

- Interface and distribute the fiber optical communication system

Features :

- Steel cabinet slide rack mount without drawer
- Cabinet made from electro galvanize steel 1.0 mm thickness
- Combine splicing function, storing of fiber optical cable, patch cord and pigtail
- Store and protect excess optical cable and patch cord
- Support FC/SC/ST/LC/E2000/MPO adapter type with 3 mini-snap plate
- Splicing and distribution 12 fibers or 24 fibers per tray
- Nice shape, easy installment and maintenance
- Easily fixed by cage nut on 19"/21" standard rack, convenient for operation and inspection
- Light gray cabinet
- Accept custom design and special order

Standard :

- Manufactured by ISO 9001-2015 company

Accessories :

- Cage nut, cable tie and cable gland
- Adapter, pigtail, splice tray and fusion sleeve as optional

Adapter Capacity :

- FC/SC/ST/E2000 adapter type support 18 fibers for 6 FC or SC mini-snap plate and 36 fibers for 12 FC or SC mini-snap plate
- LC (SCF) adapter type support 36 fibers for 6 SC mini-snap plate
- MPO adapter type support 18 ports for 6 MPO mini-snap plate

Dimensions :

- 440 W x 255 D x 44 H mm

Ordering Information :

| P/N | Descriptions |
|------------|---|
| R1UD-S-36F | ODF Rack Mount 36F (6-36F) 1U Slide without Drawer, 3 Mini-Snap Plate, Size 440x255x44 mm |

ODF RACK MOUNT 6-24 FIBERS 1U SLIDE WITH DRAWER



P/N : R1UF

Applications :

- Interface and distribute the fiber optical communication system

Features :

- Steel cabinet slide rack mount with drawer
- Cabinet made from electro galvanize steel 1.0 mm thickness
- Combine splicing function, storing of fiber optical cable, patch cord and pigtail
- Store and protect excess optical cable and patch cord
- Support FC/SC/ST/LC/E2000/MPO adapter type with 2 snap plate
- Splicing and distribution 12 fibers or 24 fibers per tray
- Clip-lock front cover, nice shape, easy installment and maintenance
- Easily fixed by cage nut on 19"/21" standard rack, convenient for operation and inspection
- Light gray cabinet
- Aluminum rack mount as optional
- Accept custom design and special order

Standard :

- Manufactured by ISO 9001-2015 company

Accessories :

- Cage nut, cable tie and cable gland
- Adapter, pigtail, splice tray and fusion sleeve as optional

Adapter Capacity :

- FC/SC/ST/E2000 adapter type support 12 fibers for 6 FC or SC snap plate and 24 fibers for 12 FC or SC snap plate
- LC (SCF) adapter type support 24 fibers for 6 SC snap plate and 48 fibers for 12 SC snap plate
- MPO adapter type support 12 ports for 6 MPO snap plate

Dimensions :

- 440 W x 310 D x 44 H mm (1U)
- 440 W x 310 D x 66 H mm (1.5U)

Ordering Information :

| P/N | Descriptions |
|--------------|--|
| R1UF-D-24F | ODF Rack Mount 24F (6-24F) 1U Slide with Drawer, Front Cover Flat Type, 2 Snap Plate, Size 440x310x44 mm |
| R1.5UA-D-24F | ODF Rack Mount 24F (6-24F) 1.5U Slide with Drawer, Front Cover Flat Type, Size 440x310x66 mm |

ODF RACK MOUNT 48-240 FIBERS 2U-7U SLIDE WITH DRAWER

Applications :

- Interface and distribute the fiber optical communication system

Features :

- Steel cabinet slide rack mount with drawer
- Cabinet made from electro galvanize steel 1.2 mm thickness
- Combine splicing function, storing of fiber optical cable, patch cord and pigtail
- Store and protect excess optical cable and patch cord
- Support FC/SC/ST/LC/ E2000 and MPO adapter type with snap plate of following rack mount size
- Splicing and distribution 12 fibers or 24 fibers per tray
- Clip-lock front cover, nice shape, easy installment and maintenance
- Easily fixed by cage nut on 19"/21" standard rack, convenient for operation and inspection
- Light gray cabinet
- Aluminum rack mount as optional
- Accept custom design and special order

Standard :

- Manufactured by ISO 9001-2015 company

Accessories :

- Cage nut, cable tie and cable gland
- Adapter, pigtail, splice tray and fusion sleeve as optional

Dimensions :

- 2U : 440 W x 310 D x 88 H mm
- 3U : 440 W x 310 D x 133 H mm
- 4U : 440 W x 433 D x 177 H mm
- 5U : 440 W x 433 D x 222 H mm
- 6U : 440 W x 480 D x 266 H mm
- 7U : 440 W x 480 D x 308 H mm



P/N : R2UC



P/N : R3UD



P/N : R4UA

Adapter Capacity :

| P/N | Dimensions (mm) | | | Maximum Fiber Cores | Snap Plate Type | Adapter Type |
|-----------|-----------------|-----|-----|--|-----------------------|----------------|
| | W | D | H | | | |
| R2UC-48F | 440 | 310 | 88 | 24-96F 24 MPO (4 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |
| R3UD-96F | 440 | 310 | 133 | 48-192F 48 MPO (8 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |
| R4UA-120F | 440 | 433 | 177 | 60-240F 60 MPO (10 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 60 (60F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 60 (120F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |
| R5UA-168F | 440 | 433 | 222 | 84-336F 84 MPO (14 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 84 (84F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 84 (168F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |
| R6UA-192F | 440 | 480 | 266 | 96-384F 96 MPO (16 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 96 (96F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 96 (192F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |
| R7UA-240F | 440 | 480 | 308 | 120-480F 120 MPO (20 Snap Plate) | Snap Plate 6 (6F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (12F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 12 (24F) | LC Duplex SCF |
| | | | | | Snap Plate 120 (120F) | FC/ST/SC/E2000 |
| | | | | | Snap Plate 120 (240F) | LC Duplex SCF |
| | | | | | Snap Plate 6 (MPO) | MPO Adapter |

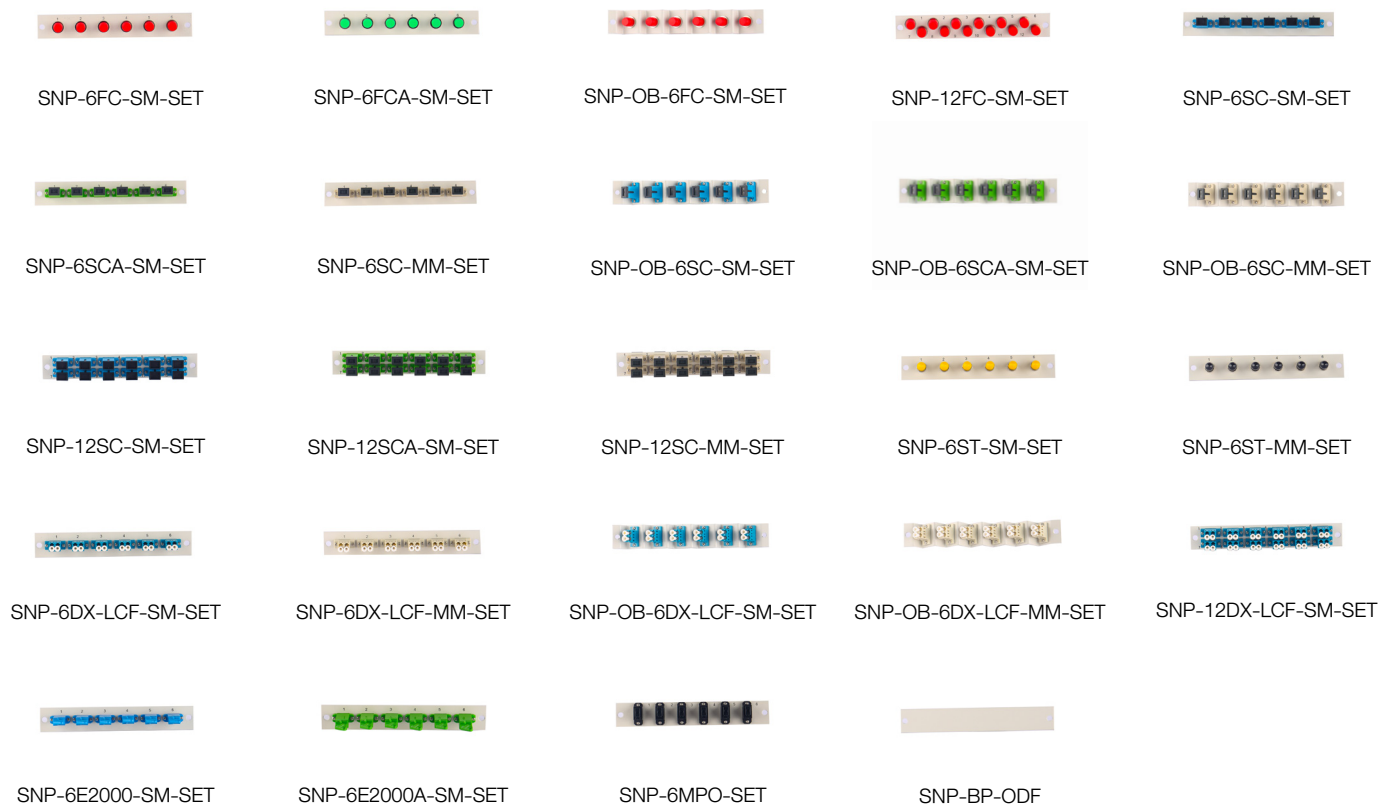
Ordering Information :

| P/N | Descriptions |
|-----------|--|
| R2UC-48F | ODF Rack Mount 48F (24-48F) 2U Slide with Drawer, Front Cover, 4 Snap Plate, Size 440x310x88 mm |
| R3UD-96F | ODF Rack Mount 96F (48-96F) 3U Slide with Drawer, Front Cover, 8 Snap Plate, Size 440x310x133 mm |
| R4UA-120F | ODF Rack Mount 120F (60-120F) 4U Slide with Drawer, Front Cover, 10 Snap Plate, Size 440x433x177 mm |
| R5UA-168F | ODF Rack Mount 168F (84-168F) 5U Slide with Drawer, Front Cover, 14 Snap Plate, Size 440x433x222 mm |
| R6UA-192F | ODF Rack Mount 192F (96-192F) 6U Slide with Drawer, Front Cover, 16 Snap Plate, Size 440x480x266 mm |
| R7UA-240F | ODF Rack Mount 240F (120-240F) 7U Slide with Drawer, Front Cover, 20 Snap Plate, Size 440x480x308 mm |

Ordering Information :

| P/N | Descriptions |
|---|--|
| SNAP PLATE FOR ODF RACK MOUNT 1U-7U SLIDE WITH DRAWER | |
| SNP-6MPO-SET | Snap Plate 6MPO with Adapter |
| SNP-OB-6MPO-SET | Snap Plate Oblique 6MPO with Adapter |
| SNP-6FC-SM-SET | Snap Plate 6FC SM with Adapter |
| SNP-OB-6FC-SM-SET | Snap Plate Oblique 6FC SM with Adapter |
| SNP-12FC-SM-SET | Snap Plate 12 FC SM with Adapter |
| SNP-6FC-MM-SET | Snap Plate 6FC MM with Adapter |
| SNP-OB-6FC-MM-SET | Snap Plate Oblique 6FC MM with Adapter |
| SNP-12FC-MM-SET | Snap Plate 12FC MM with Adapter |
| SNP-6ST-SM-SET | Snap Plate 6ST SM with Adapter |
| SNP-12ST-SM-SET | Snap Plate 12ST SM with Adapter |
| SNP-6ST-MM-SET | Snap Plate 6ST MM with Adapter |
| SNP-12ST-MM-SET | Snap Plate 12ST MM with Adapter |
| SNP-6SC-SM-SET | Snap Plate 6SC SM with Adapter |
| SNP-OB-6SC-SM-SET | Snap Plate Oblique 6SC SM with Adapter |
| SNP-12SC-SM-SET | Snap Plate 12 SC SM with Adapter |
| SNP-6SC-MM-SET | Snap Plate 6 SC MM with Adapter |
| SNP-OB-6SC-MM-SET | Snap Plate Oblique 6SC MM with Adapter |
| SNP-12SC-MM-SET | Snap Plate 12SC MM with Adapter |
| SNP-6DX-LCF-SM-SET | Snap Plate 6LC SCF SM with Adapter |
| SNP-OB-6DX-LCF-SM-SET | Snap Plate Oblique 6LC SCF SM with Adapter |
| SNP-12DX-LCF-SM-SET | Snap Plate 12LC SCF SM with Adapter |
| SNP-6DX-LCF-MM-SET | Snap Plate 6LC SCF MM with Adapter |
| SNP-OB-6DX-LCF-MM-SET | Snap Plate Oblique 6LC SCF MM with Adapter |
| SNP-12DX-LCF-MM-SET | Snap Plate 12LC SCF MM with Adapter |

Snap Plate :



Ordering Information :

| P/N | Descriptions |
|--|---|
| MINI - SNAP PLATE FOR ODF RACK MOUNT 1U WITHOUT DRAWER | |
| SNPMINI-6FC-SM-SET | Mini-Snap Plate 6FC SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12FC-SM-SET | Mini-Snap Plate 12FC SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6FC-MM-SET | Mini-Snap Plate 6FC MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12FC-MM-SET | Mini-Snap Plate 12FC MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6ST-SM-SET | Mini-Snap Plate 6ST SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12ST-SM-SET | Mini-Snap Plate 12ST SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6ST-MM-SET | Mini-Snap Plate 6ST MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12ST-MM-SET | Mini-Snap Plate 12ST MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6SC-SM-SET | Mini-Snap Plate 6SC SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12SC-SM-SET | Mini-Snap Plate 12SC SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6SC-MM-SET | Mini-Snap Plate 6SC MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-12SC-MM-SET | Mini-Snap Plate 12SC MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6DX-LCF-SM-SET | Mini-Snap Plate 6LC SCF SM with Adapter for ODF 1U 3 Mini-Snap Plate Type |
| SNPMINI-6DX-LCF-MM-SET | Mini-Snap Plate 6LC SCF MM with Adapter for ODF 1U 3 Mini-Snap Plate Type |

Mini-Snap Plate :



SNPMINI-6FC-SM-SET

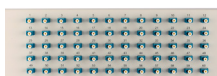


SNPMINI-12FC-SM-SET

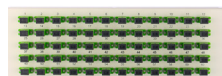
Ordering Information :

| P/N | Descriptions |
|--|---|
| SINGLE SNAP PLATE FOR ODF RACK MOUNT 1U-7U SLIDE WITH DRAWER | |
| SNP-24LC-SX-SM-R1U-SET | Snap Plate 24LC SX SM with Adapter for R1U |
| SNP-24FC-SM-R1U-SET | Snap Plate 24FC SM with Adapter for R1U |
| SNP-24SC-SM-R1U-SET | Snap Plate 24SC SM with Adapter for R1U |
| SNP-48LC-SX-SM-R2U-SET | Snap Plate 48LC SX SM with Adapter for R2U |
| SNP-48FC-SM-R2U-SET | Snap Plate 48FC SM with Adapter for R2U |
| SNP-48SC-SM-R2U-SET | Snap Plate 48SC SM with Adapter for R2U |
| SNP-60LC-SX-SM-R3U-SET | Snap Plate 60LC SX SM with Adapter for R3U |
| SNP-60FC-SM-R3U-SET | Snap Plate 60FC SM with Adapter for R3U |
| SNP-60SC-SM-R3U-SET | Snap Plate 60SC SM with Adapter for R3U |
| SNP-96LC-SX-SM-R4U-SET | Snap Plate 96LC SX SM with Adapter for R4U |
| SNP-96FC-SM-R4U-SET | Snap Plate 96FC SM with Adapter for R4U |
| SNP-96SC-SM-R4U-SET | Snap Plate 96SC SM with Adapter for R4U |
| SNP-120LC-SX-SM-R4U-SET | Snap Plate 120LC SX SM with Adapter for R4U |
| SNP-120FC-SM-R4U-SET | Snap Plate 120FC SM with Adapter for R4U |
| SNP-120SC-SM-R4U-SET | Snap Plate 120SC SM with Adapter for R4U |

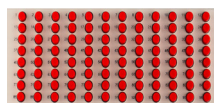
Single Snap Plate :



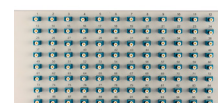
SNP-60LC-SX-SM-R3U-SET



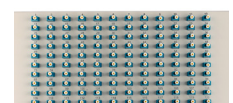
SNP-60SCA-SM-R3U-SET



SNP-96FC-SM-R4U-SET

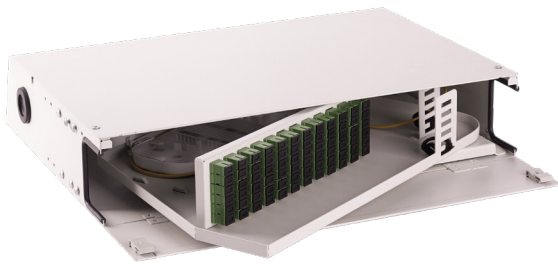


SNP-96LC-SX-SM-R4U-SET



SNP-120LC-SX-SM-R4U-SET

ODF RACK MOUNT 48-240 FIBERS 2U-4U SWING FLAT TYPE



Applications :

- Interface and distribute the fiber optical communication system

Features :

- Steel cabinet swing rack mount with front cover
- Cabinet made from electro galvanize steel 1.2 mm thickness
- Combine splicing function, storing of fiber optical cable, patch cord and pigtail
- Store and protect excess optical cable and patch cord
- Support FC/SC/ST/LC/ E2000 and MPO adapter type with single snap plate
- Splicing and distribution 12 fiber or 24 fiber per tray
- Able to swing 90 degree for termination, splicing, inspection and maintenance
- Clip-lock front cover, nice shape, easy installment and maintenance
- Easily fixed by cage nut on 19"/21" standard rack, convenient for operation and inspection
- Light gray cabinet
- Aluminum rack mount as optional
- Accept custom design and special order

Standard :

- Manufactured by ISO 9001-2015 company
- Meet True requirements

Accessories :

- Cage nut, cable tie and cable gland
- Adapter, pigtail, splice tray and fusion sleeve as optional

Adapter Capacity :

2U

- FC/ST adapter type support 48 fibers
- SC/E2000 adapter type support 72 fibers
- LC (SCF) adapter type support 144 fibers
- MPO adapter type support 48 ports

3U

- FC/ST adapter type support 60 fibers
- SC/E2000 adapter type support 96 fibers
- LC (SCF) adapter type support 192 fibers
- MPO adapter type support 60 ports

4U

- FC/ST adapter type support 96 fibers
- SC/E2000 adapter type support 120 fibers
- LC (SCF) adapter type support 240 fibers -
- MPO adapter type support 96 ports

Dimensions :

- 2U : 440 W x 280 D x 88 H mm
- 3U : 440 W x 280 D x 130 H mm
- 4U : 440 W x 280 D x 170 H mm

Adapter Capacity :

| P/N | Dimensions (mm) | | | Maximum Fiber Cores | Adapter Type |
|---------------|-----------------|-----|-----|---------------------|--------------|
| | W | D | H | | |
| ALFA60-RS-2U | 440 | 280 | 88 | 48F | FC/ST |
| | | | | 72F | SC |
| | | | | 144F | LC (SCF) |
| ALFA60-RS-3U | 440 | 280 | 130 | 60F | FC/ST |
| | | | | 96F | SC |
| | | | | 192F | LC (SCF) |
| ALFA120-RS-4U | 440 | 280 | 170 | 96F | FC/ST |
| | | | | 120F | SC |
| | | | | 240F | LC (SCF) |

Ordering Information :

| P/N | Descriptions |
|--------------|---|
| ALFA48-RS-2U | ODF Rack Mount 48F (48-144F) 2U Swing, Front Cover Flat Type, Size 440x280x88 mm |
| ALFA60-RS-3U | ODF Rack Mount 60F (60-192F) 3U Swing, Front Cover Flat Type, Size 440x280x130 mm |
| ALFA96-RS-4U | ODF Rack Mount 96F (96-240F) 4U Swing, Front Cover Flat Type, Size 440x280x170 mm |

Adapter :

Applications :

- CATV
- Telecommunication networks
- Test equipment
- Metro
- Multimedia
- DATA networks
- Video
- FTTX



Specifications :

| Parameter | FC, ST | | SC, LC, E2000 | | MPO | |
|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|----------------|----------------|
| | Singlemode | Multimode | Singlemode | Multimode | Singlemode | Multimode |
| Insertion Loss | ≤ 0.2 dB | ≤ 0.2 dB | ≤ 0.2 dB | ≤ 0.2 dB | ≤ 0.2 dB | ≤ 0.2 dB |
| Mating Durability 500 times | < 0.2 dB | < 0.2 dB | < 0.2 dB | < 0.2 dB | N/A | N/A |
| Operation Temperature | -40 to +75 °C | -40 to +75 °C | -40 to +75 °C | -40 to +75 °C | -25 to +70 °C | -25 to +70 °C |
| Material : | | | | | | |
| Body | Zinc-Alloy | Zinc-Alloy | PBT | PBT | Polyetherimide | Polyetherimide |
| Sleeve | Ceramic (ZrO ₂) | Phosphor Bronze (PB) | Ceramic (ZrO ₂) | Ceramic (ZrO ₂) | N/A | N/A |

Ordering Information :

| P/N | Descriptions |
|--------------|-------------------------------------|
| AD11SS-D14C | Adapter FC D-Hole 14 Ceramic |
| AD11ASS-D | Adapter FCA D-Hole Ceramic |
| AD12SS-C | Adapter SC SM Simplex |
| AD12ASS-C | Adapter SCA SM Simplex |
| AD12SS-C-NF | Adapter SC SM Simplex w/o Flange |
| AD12ASS-C-NF | Adapter SCA SM Simplex w/o Flange |
| AD12MS | Adapter SC MM Simplex |
| AD13SS-C | Adapter ST SM Ceramic |
| AD14SD-F | Adapter LC SM Duplex SCF |
| AD14SD-NF | Adapter LC SM Duplex SCF w/o Flange |
| AD14ASD-F | Adapter LCA SM Duplex SCF |
| AD14MD-F | Adapter LC MM Duplex SCF |
| AD14MD-NF | Adapter LC MM Duplex SCF w/o Flange |
| AD14MD-F-AQ | Adapter LC MM Duplex SCF Aqua |
| AD20SS-KUD | Adapter MPO Key Up/Key Down |
| AD20SS-KUU | Adapter MPO Key Up/Key UP |



Fiber Pigtail :

Applications :

- CATV
- Telecommunication networks
- Active device termination
- Metro
- Local Area Networks (LANs)
- Data processing network
- Test equipment
- Premise installations
- Wide Area Networks (WANs)
- FTTH

Features :

- Low insertion loss and back reflection loss
- Good exchangeability
- Good durability
- High temperature stability
- Standard : Telcordia GR-326-CORE, ITU-T

Availability :

- Various boot type and color available
- Accept custom



Pigtail :

- Superior qualified standard PC/UPC/APC polishing 100% optic test (IL and RL)
- PVC or LSZH cable available in 0.9 mm, 2.0 mm and 3.0 mm diameter
- Available for G.652D, G.655, G.657A2, G.657B3 for singlemode and OM2, OM3, OM4, OM5 for multimode

Specifications :

| Parameter | Singlemode | Multimode |
|-----------------------|--------------------------------------|--------------------|
| Insertion Loss | UPC ≤ 0.2 dB, APC ≤ 0.3 dB | ≤ 0.3 dB |
| Return Loss | UPC ≥ 50 dB, APC ≥ 60 dB | |
| Fiber Type | G.652D, G.655, G.657A2, G.657B3 | OM2, OM3, OM4, OM5 |
| Fiber Core/Cladding | 9/125 μm | 50/125 μm |
| Polishing Grade | UPC, APC | UPC |
| Wavelength | 1310/1550 nm | 850/1310 nm |
| Repeatability | ≤ 0.1 dB | |
| Durability | ≤ 0.2 dB typical change, 500 matings | |
| Interchangeability | ≤ 0.2 dB | |
| Tensile Strength | > 10 kg | |
| Cable Diameter | 0.9, 2.0, 2.4, 3.0 mm | |
| Cable Jacket | PVC, LSZH (Low Smoke Zero Halogen) | |
| Operation Temperature | -40 to +75 °C | |

Splice Tray and Sleeve :



White Splice Tray 24 Fibers

Splice Tray 24 Fibers

- Splice tray for 24 fibers
- 12 slots for 60 mm fusion sleeve (double stack to 24 sleeves)
- ABS grade plastic
- Body hook to stack each splice tray
- More 10 trays to stacking
- White color
- Port label sticker
- Plastic clear cover in each tray
- Four ways cable entry
- Size 225x115x13 mm



Black Splice Tray 12 Fibers

Splice Tray 12 Fibers

- Splice tray for 12 fibers
- 12 slots for 60 mm fusion sleeve
- ABS grade plastic
- Stainless hook to stack each splice tray
- Black color
- Four ways cable entry
- Size 175x115x10 mm



Mini-Black Splice Tray 12 Fibers

Mini-Splice Tray 12 Fibers

- Splice tray for 12 fibers
- 12 slots for 60 mm fusion sleeve
- ABS grade plastic
- Body hook to stack each splice tray
- Black color
- Four ways cable entry
- Size 126x88.2x17.5 mm



Fusion Sleeve

Fusion Sleeve

- 60 mm length
- 40 mm length
- Protect fiber optic fusion splice

Accessories for ODF :



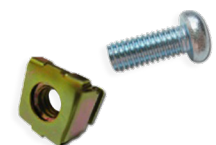
Cable Management



Cable Tie



Water Proof Connector (Cable Gland)



Cage Nut Set