



UNISOL COMMUNICATIONS

PRODUCT CATALOGUE

Innovative Products With Engineering Design



Certifications





UNISOL

Communications

UNISOL Communications Pvt. Ltd., established in the year 2002 as a value-added System Integrator and OEM of Fiber Optic Networking Products and Accessories.

Since incorporation we rendered our finest services with design and supply of our finest quality and wide range of Fiber networking products to our valuable clients. Unisol served industry leaders in IT, Telecom, Process control and Automation, Oil & gas, Power sector, Security Surveillance, Power systems & controls, Rail signalling, Hospitality, Educational Institutions, Integrated townships and State to Central Government organisations.

Our product range includes, Fiber Optic Patch Panels, Fiber optic Patch Cord, Pigtails, Adaptors, Splitters, MPOs, FTTH Products, MDTH Products and Indoor/Outdoor cabinets, CCTV Poles and customised Fiber patch cable for harsh environment.

Why UNISOL?

- Present in the industry for the past 20+ years
- 650+ Happy customers in India
- 15+ satisfied overseas Clients
- ISO Certified Company
- CE and ROHS Certified Products
- Specialised in offering customised Products
- We do End to END - Design / Consultation / Supply / Integration / Maintenance



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CONTENT



FIBER TO HOME (FTTH) SOLUTIONS

Rack & Wall Mount Patch Panel / LIU

Fibre Optic Pigtails & Patch Cards

PLCS & Splitters

Fast Connections And Couples

Backbone & FTTH Drop Cables

Odf Unit & Outdoor Cabinets



DATA CENTER SOLUTION

Rack & Wall Mount Patch Panels / LIU

Sliding Fibre Optic Patch Panels

Fibre Optic Pigtails & Patch Cards

Multifibre Assembly Solution

Mpo Asfp Solution



INDUSTRIAL AUTOMATION

Din Rail Mount Fibre Optic Patch Panels

Rack & Wall Mount Patch Panels / LIU

Industrial Grade Fibre Patch Cables

Industrial Grade Shuttered Adapters

Armored Fibre Optic Cables



PREMISE CABLING

Rack & Wall Mount Patch Panels / LIU

Fibre Optic Pigtails & Patch Cards

Connectors & Adapters

Industrial Grade Shuttered Adapters

Sliding Fibre Optic Patch Panels

DIN RAIL FIBER PATCH PANELS

PRODUCTS FEATURES

- MS/Aluminum housing with seven tank process powder coating.
- Suitable for 19" Rack mount Applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers
- Can manage adaptor panel for maximum 96 ports in SC/96, LC In 20 size
- Capable of storing up to 3 meters of 900 micron light buffered fiber cable.
- Allow maximum four cables entry,
- Patch or fusion splice field termination standard.
- Splice holder for pigtail splicing
- High Impact resistance splicing tray & cable spool for fiber & pigtail routing
- Accessory kit includes mounting ear, cable gland, cable ties and screws.



Nano Din Rail LIU
130*65*105mm (H*W*D)



Micro Din Rail LIU
150*105*120mm (H*W*D)



Mini Din Rail LIU
210*44*150mm (H*W*D)



Medium Din Rail LIU
280*90*205 mm (H*W*D)

DESCRIPTION

The Fiber Patch Panels are designed to mount on a 35 mm Din rail frame to provide cross-connect and interconnect capabilities for splicing & termination OFC cables, pigtails in a fiber access network called Din Rail mount LIU or patch panel. Unisol designed Four models of Din rail patch panels such as Nano, Micro, Mini, & Medium, all of which are frequently situated next to the terminating device.



PATCH PANEL DIN RAIL FIBER

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Data Centers
- Security Surveillance Applications
- Process Automation & Control Systems
- Telecommunication Network
- FTTH Services



Copper Patch Panel



Din Rail Cabinet

280*90*200 mm (H*W*D)

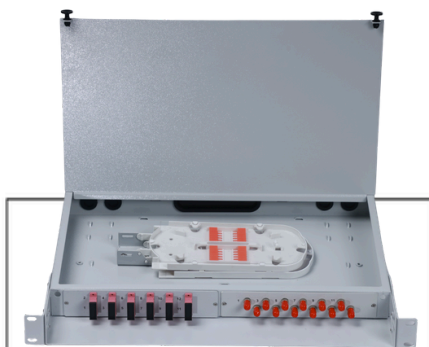


Hybrid Patch Panel

RACK MOUNT PATCH PANELS

PRODUCTS FEATURES

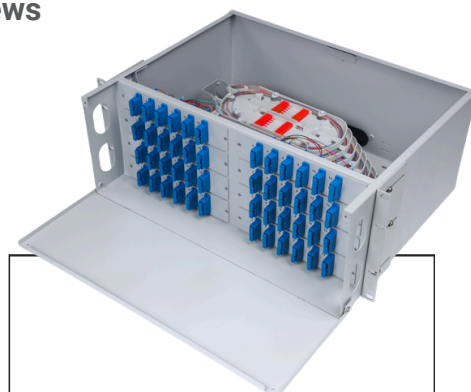
- MS/Aluminum housing with seven tank process powder coating,
- Suitable for 19" Rack mount Applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers.
- Can manage adaptor panel for maximum 48 SC, 48 LC in 1U size.
- Capable of storing up to 3 meters of 900 micron tight buffered fiber cable
- Allow maximum four cables entry.
- Patch or fusion splice field termination standard
- Splice holder for pigtail splicing
- High impact resistance splicing tray & cable spool for fiber & pigtail routing
- Accessory kit includes mounting ear, cable gland, cable ties and screws



1U Std Rack Mount LIU
44*430*320 mm (H*W*D)



2U Std Rack Mount LIU
88*430*320 mm (H*W*D)



4U Std Rack Mount LIU
176*440*350 mm (H*W*D)

DESCRIPTION

Rackmount patch panel is an integrated unit for fiber management, for splicing and direct termination of OFC cables and pigtails in the fiber access network. These patch panels allocate cross-connect and interconnect capabilities. Unisol designed four models of Rack Mount patch panels such as Mini Rack, 1U Rack, 2U rack & 4U Rack.



RACK MOUNT PATCH PANEL

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Data Centers
- Security Surveillance Applications
- Process Automation & Control Systems
- Telecommunication Network
- Power Systems & Controls



SLIDING RACK MOUNT PATCH PANELS

PRODUCTS FEATURES

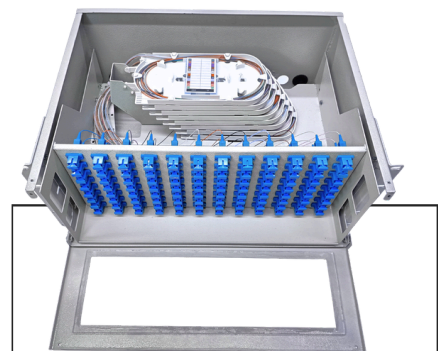
- MS/Aluminum housing with seven tank process powder coating,
- Suitable for 19" Rack mount Applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers.
- Can manage adaptor panel for maximum 48 SC, 48 LC in 1U size.
- Capable of storing up to 3 meters of 900 micron tight buffered fiber cable
- Allow maximum four cables entry.
- Patch or fusion splice field termination standard
- Splice holder for pigtail splicing
- High impact resistance splicing tray & cable spool for fiber & pigtail routing
- Accessory kit includes mounting ear, cable gland, cable ties and screws



1U Std Rack Mount LIU
44*430*320 mm (H*W*D)



2U Std Rack Mount LIU
88*430*320 mm (H*W*D)



4U Std Rack Mount LIU
176*440*350 mm (H*W*D)

DESCRIPTION

Sliding Rack Mount patch panel is an integrated unit for fiber management, for splicing and direct termination of OFC cables and pigtails in the fiber access network. These patch panels allocate cross-connect and interconnect capabilities. Unisol designed four models of Sliding Rack Mount patch panels Such as 1U, 2U, 4U, & 6U.



SLIDING RACK MOUNT PATCH PANEL

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Data Centers
- Security Surveillance Applications
- Process Automation & Control Systems
- Telecommunication Network
- Power Systems & Controls



6U Slid Rack Mount LIU

264*440*350 mm (H*W*D)



Cable Manager

6.75"*6.75"*19"(H*W*D)

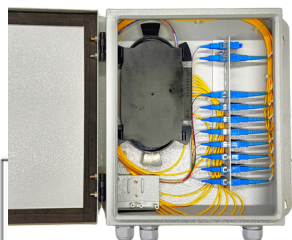
WALL MOUNT PATCH PANELS

PRODUCTS FEATURES

- MS/Aluminum housing with seven tank process powder coating.
- Compact size perfect for limited space Din rail enclosures.
- Suitable for Din-Rail and surface mount applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers.
- Allow maximum four cables entry.
- Patch or fusion splice field termination standard.
- Splice holder for pigtail splicing.
- Available with metal.
- Din-Rail mount for Industrial high temperature conditions and applications



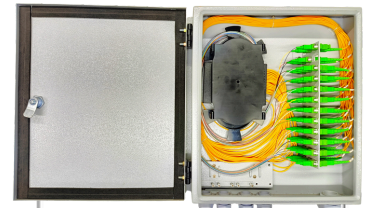
8 Port Wall Mount LIU
230*260*60 mm (W*H*D)



12 Port Wall Mount LIU
230*260*60 mm (W*H*D)



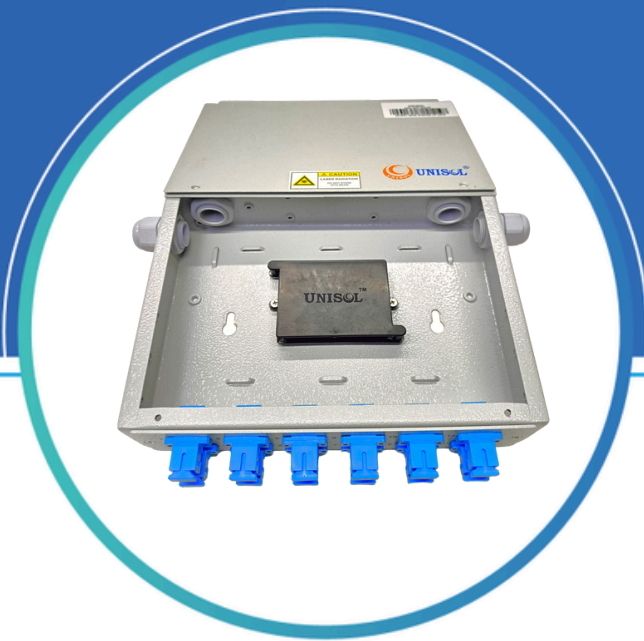
24 Port Wall Mount LIU
300*350*60 mm (W*H*D)



36 Port Wall Mount LIU
350*300*75 mm (H*W*D)

DESCRIPTION

The Fiber Patch Panels that are designed to mount on wall or panel to provide cross-connect and inter-connect capabilities for splicing & terminating of OFC cables, pigtailed in fiber access networks called wall mount patch panels. Wall mount fiber optic patch panels are an ideal design for building & campus networking. Unisol designed Wall Mount patch panels such as Mini Wall, 8 port, 12 port, 24 port, 36 port, & 48 port.



WALL MOUNT PATCH PANEL

APPLICATIONS

- Oil & Gas Industries
- CCTV & Surveillance Applications
- Rail Signaling & control Systems
- Process Automation & Control Systems
- Power Systems & Control



48 Port Wall Mount LIU
350*300*110 mm (H*W*D)



96 Port Wall Mount LIU
350*300*160 mm (H*W*D)

FIBRE OPTIC PATCH CORD

PRODUCTS FEATURES



Singlemode Fibre
Patchcord



Multimode
(OM1/OM2)
Patchcord



Multimode (OM3)
Patchcord



Multimode (OM4)
Patchcord

DESCRIPTION

Fibre Optic Patchcords are basically jumper cables for the connection of fiber optic equipment to equipment or patch panel to equipment. It comprised of a patch cable terminated with connectors. There are many configurations for fibers, cables and connectors. For fiber, it can be Singlemode or Multimode (50um, 62.5um, & OM1,OM2, OM3, OM4). There are two types of cable: duplex and simplex. Several commonly used connectors include ST, SC, FC, LC, MTRJ, SMA, MU, and E2000.



FIBRE OPTIC PATCH CORD

APPLICATIONS

- High bit rate data communications
- Communications closet jumper
- Analogue Video Transmission
- Communications closet to wall outlet
- Subscriber loop
- Wall outlet to transceiver
- Local Area Networks (LANs)



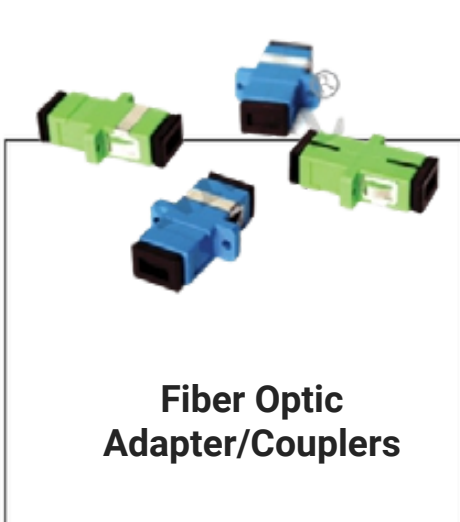
Armored Patch Cord



Fan Out Cable

FIBRE OPTIC ADAPTERS AND CONNECTORS

PRODUCTS FEATURES



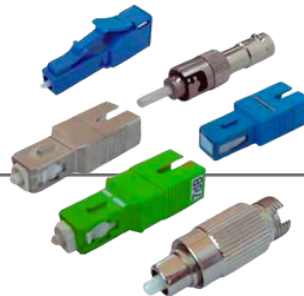


FIBRE OPTIC ADAPTERS AND CONNECTORS

APPLICATIONS



Fiber Optic Attenuators



Fast Field Connectors

FIBRE OPTIC PIGTAILS AND ACCESSORIES

PRODUCTS FEATURES



**Fiber Optic
Pigtails**



**Loop Back
Cable**



FIBRE OPTIC PIGTAILS AND ACCESSORIES

APPLICATIONS



**Subscriber Home
Termination Box**



Joint Enclosure

MPO SOLUTION

PRODUCTS FEATURES

- 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.



**8F MPO/MP
SM Cable**



**12F MPO/MP
Om3 Cable**



**24F MPO/MP
Om4 Cable**

DESCRIPTION

The MPO solution seeks to provide a complete solution to resolve the requirements in today's high-density networking environments such as the data centres. The MPO solution includes the connectors, patchcords, trunk cables, fan-out cables, cassettes and panels which are designed to meet the demand for high-density networking and at the same time provide high space-saving functionality

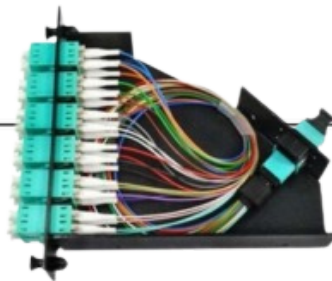


MPO SOLUTION

APPLICATIONS



MPO Connector



MPO Cassette



MPO Fan Out

OUTDOOR NETWORK RACKS

PRODUCTS FEATURES

- MS/Aluminum housing with seven tank process powder coating.
- Suitable for 19" Rack mount Applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers
- Can manage adaptor panel for maximum 96 ports in SC/96, LC In 20 size
- Capable of storing up to 3 meters of 900 micron light buffered fiber cable.
- Allow maximum four cables entry,
- Patch or fusion splice field termination standard.
- Splice holder for pigtail splicing
- High Impact resistance splicing tray & cable spool for fiber & pigtail routing
- Accessory kit includes mounting eat cable gland, cable ties and screws.



DESCRIPTION

UNISOL has been manufacturing cabinets such as Pole Mount / Floor Mount / Outdoor Cabinet Racks for Outdoor application. Unisol has a long experience in product development of telecom, networking & industrial applications. This broad-based experience has been fundamental to the development of a wide range of integrated indoor Standard Cabinets & Customized enclosure systems For Different Seg-ments including Smart Cities & ITMS Projects, Communication base station, such as the 4G system CCTV Surveillance, City Surveillance, Traffic Monitoring, Fiber Termination, and defense Projects.



OUTDOOR NETWORK RACK

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Data Centers
- Security Surveillance Applications
- Telecommunication Network
- FTTH Services



Outdoor Pole / Wall Mount Rack



Mini Outdoor Pole Mount Rack

INDOOR NETWORK RACKS

PRODUCTS FEATURES

- MS/Aluminum housing with seven tank process powder coating.
- Suitable for 19" Rack mount Applications.
- Replaceable adapter panel for SC/ST/LC/FC type couplers
- Can manage adaptor panel for maximum 96 ports in SC/96, LC In 20 size
- Capable of storing up to 3 meters of 900 micron light buffered fiber cable.
- Allow maximum four cables entry,
- Patch or fusion splice field termination standard.
- Splice holder for pigtail splicing
- High Impact resistance splicing tray & cable spool for fiber & pigtail routing
- Accessory kit includes mounting ear, cable gland, cable ties and screws.



**Indoor Wall
Mount Rack**



Server Rack

DESCRIPTION

UNISOL has been manufacturing cabinets such as Floor / Wall mount Racks for indoor application. Unisol has a long experience in product development of telecom, networking & industrial applications. This broad-based experience has been fundamental to the development of a wide range of integrated indoor Standard Cabinets & Customized enclosure systems For Different Segments including Smart City Projects, Safe City Projects, Private & Public Sector Surveillance Projects, IT-Telecom Projects, Police & Army Projects.



INDOOR NETWORK RACK

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Data Centers
- Security Surveillance Applications
- Process Automation & Control Systems
- Telecommunication Network
- FTTH Services



Two Post Rack



Four Post Rack

CCTV ACCESSORIES

PRODUCTS FEATURES



**Camera
Extender**



**Camera
Housing**

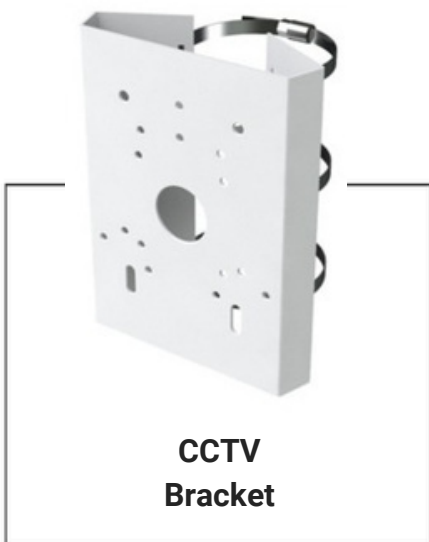


**CCTV
Pole**

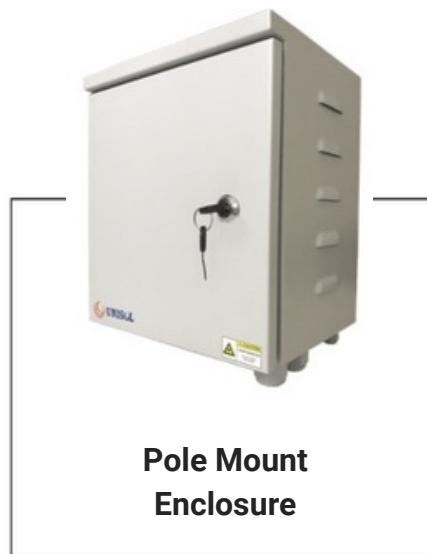


CCTV ACCESSORIES

APPLICATIONS



**CCTV
Bracket**



**Pole Mount
Enclosure**

FTTH SOLUTION

PRODUCTS FEATURES

- ABS housing with Mechanical seal for Excellent seal performance and reusable.
- Suitable for wall mount/pole mount /panel mount Applications.
- High impact resistance splicing tray & cable spool for fiber & pigtail routing.
- Capable of storing up to 3 meters of 900 micron tight buffered fiber cable
- Allow maximum four cables entry.
- Patch or fusion splice field termination standard.
- Replaceable panel for SC/ST/LC/FC type couplers
- Accessory kit includes mounting ear, cable gland, cable ties and screws.



**Wall Mount
FTTH Box**



ODF Unit



**Fiber Access
Terminal**

DESCRIPTION

Unisol offers FTTH products including Subscriber Termination Box, Fiber Optical Enclosure, ODF Unit, Module PLC Splitter, Fiber Access Terminal (FAT), Patch Cord & Pigtail, & Fast Field Connector for the transmission from the operator's switching equipment to the home or the company of a communication signal using the optical fiber, replacing current copper infrastructures such as telephone lines and coaxial cables.



FTTH PRODUCTS

APPLICATIONS

- Indoor Premise Networks
- Central offices (FTTX)
- Security Surveillance Applications
- Process Automation & Control
- Systems Telecommunication Network
- FTTH Services



**PLC
Splitter**



**LGX
Splitter**



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