



UNISOL COMMUNICATIONS

PRODUCT BROCHURE

Innovative Products With Engineering Design



Certifications





UNISOL

Communications

UNISOL Communications Pvt. Ltd., established in the year 2002 as 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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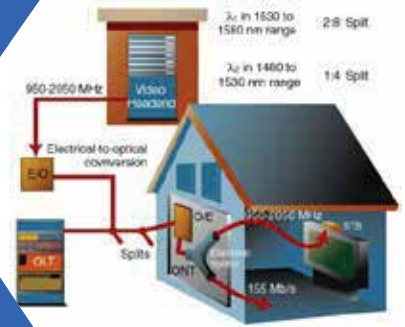
321, 2nd floor, 12th cross,
1st Main Rd, Pai Layout,
Krishnarajapura, Bengaluru,
Karnataka 560016, India



APPLICATIONS

FIBER TO HOME (FTTH) SOLUTIONS

- Rack & Wall Mount Patch Panels/LIU
- Fiber Optic Pigtails & Patch Cards
- PLCs & Splitters
- Fast Connectors and Couplers
- Backbone & FTTH Drop Cables ODF Unit and Outdoor Cabinets.



DATA CENTER SOLUTIONS

- Rack & Wall Mount Patch Panels/LIU
- Sliding Fiber Optic Patch Panels
- Fiber Optic Pigtails & Patch Cards
- Multifiber Assembly Solution
- Mpo ASFP Solution

INDUSTRIAL AUTOMATION

- Din Rail Mount Fiber Optic Patch Panels
- Rack & Wall Mount Patch Panels/LIU
- Industrial Grade Fiber Patch Cables
- Industrial Grade Shuttered Adapters
- Armored Fiber Optic Cables



PREMISE CABLING

- Rack & Wall Mount Patch Panels/LIU
- Fiber Optic Pigtails & Patch Cords
- Connectors & Adapters
- Industrial Grade Shuttered Adapters
- Sliding Fiber 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*105 mm (H*W*D)



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



Mini Din Rail LIU
210*44*150 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.



DIN RAIL FIBER PATCH PANEL



Medium Din Rail LIU
280*90*200 mm (H*W*D)

TARGET VERTICALS / APPLICATIONS

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

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



Mini Rack Mount LIU

44*210*150 mm (H*W*D)



1U Std Rack Mount LIU

44*430*320 mm (H*W*D)



2U Std Rack Mount LIU

88*430*320 mm (H*W*D)

DESCRIPTION

Rackmount patch panel is an integrated unit for fiber management, for splicing and direct termination of OFC cables and pigtailed 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



4U Std Rack Mount LIU

176*440*350 mm (H*W*D)

TARGET VERTICALS / 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 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.



1U Slid Rack Mount LIU
44*440*320 mm (H*W*D)



2U Slid Rack Mount LIU
88*440*320 mm (H*W*D)



4U Slid 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



6U Sld Rack Mount LIU
264*440*350 mm (H*W*D)

TARGET VERTICALS / APPLICATIONS

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

WALL MOUNT PATCH PANELS



Mini Wall Mount LIU

44*210*150 mm (H*W*D)



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)



48 Port Wall Mount LIU

350*300*110 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

TARGET VERTICALS / APPLICATIONS

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

PRODUCTS FEATURES

- Compact size perfect for limited space Din rail enclosures.
- MS/Aluminum housing with seven tank process powder coating.
- 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

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



Indoor Floor Mount 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

TARGET VERTICALS / APPLICATIONS

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

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.



**Outdoor Pole Mount
Rack**



**Outdoor Floor Mount
Rack**



Outdoor CCTV Pole

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 Segments 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



Outdoor Cabinet

TARGET VERTICALS / APPLICATIONS

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

FTTH PRODUCTS



**Subscriber Home
Termination Box**



**IP 65 Rated ABS Wall
Mount FTTH Box**



**Fiber Optic Splice
Closure(FOSC)**



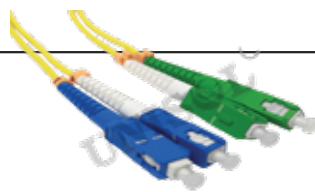
ODF Unit



**Fiber Access
Terminal (FAT)**



Module PLC Splitter



Patch Cord & Pigtail



Fast Field Connector

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

TARGET VERTICALS / APPLICATIONS

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

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.

CATV

PRODUCTS



Dish Antenna



Coaxial Cable



Ratio Fiber Splitter



Amplifier



Splitter/Tap-OFF



**Connectors
(RG-11, RG-6, & BNC)**

DESCRIPTION

Unisol offers CATV products including Dish Antenna, Coaxial Cable, Amplifier, Splitter/Tap-OFF, Connectors(RG-11, RG-6, & BNC), & Ratio Fiber SplitterSfor designed to support broadcast TV, on-demand video, and high-speed internet access



CATV PRODUCTS

TARGET VERTICALS / APPLICATIONS

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

FIBER OPTIC PRODUCTS



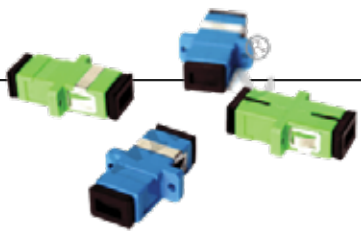
**Fiber Optical
Terminal Box**



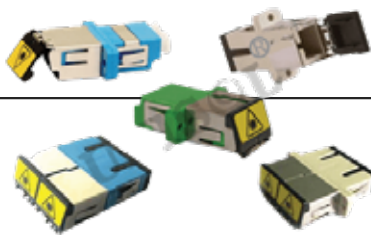
**Indoor / Outdoor
Fiber Cables**



**Armored Fiber
Patch Cables**



**Fiber Optic
adapter/Couplers**



**Shuttered Fiber
Optic Adapter**



**Fiber Optic
Attenuators**

DESCRIPTION

Unisol offers FTTH products including Fiber Optical Terminal Box, Indoor / Outdoor Fiber Cables, Armored Fiber Patch Cables, Fiber Optic adapter/Couplers, Shuttered Fiber Optic Adapter, Fiber Optic Attenuators, & MPO Cassettes for help in data transmission at top speed. The utilization and critical structure of fiber optics can be expensive but justifies its price tag. There are a few useful goods to mix with wires in order to enhance the outcomes.



FIBER OPTIC PRODUCTS



MPO Cassettes

TARGET VERTICALS / APPLICATIONS

- Outdoor Premise Network
- FTTH Applications
- Security Surveillance Applications
- Process Automation & Control Systems
- Power Systems & Controls
- Telecommunication work



STRUCTURE CABLING SOLUTION

Structure cabling solution consists of an open architecture, standardized media and layout, standard interfaces, to national and international standards. Further, this also includes system design and installation, Unisol specializes in the custom design and installation of structured cabling systems with an emphasis on new construction and corporate re-locations. Whether your network is ten systems or ten buildings in a campus environment UNISOL provides Structure cabling solution through copper and fiber cabling for LAN/WAN Networking FTTH, MDTH, CCTV and Campus Networking requirements



WI-FI SOLUTION

A wireless local area network (WLAN) is a wireless computer network that links two or more devices using a wireless distribution method (often spread-spectrum or OFDM radio) within a limited area such as a home, school, computer laboratory, or office building. This gives users the ability to move around within a local coverage area and still be connected to the network, and can provide a connection to the wider Internet or Wireless network solution to areas that would be difficult to connect to a wired network



ACCESS CONTROL & BIO METRIC SOLUTION

Access Control is the mechanism by which a system grants or revokes the right to access some data, or perform some action. Normally, a user must first Login to a system, using some Authentication system. Next, the Access Control mechanism controls what operations the user may or may not make by comparing the User ID to an Access Control database Biometric is the measurement and statistical analysis of peoples physical and behavioral characteristics. The technology is mainly used for identification and access control, or for identifying Individuals that are under surveillance. The basic premise of biometric authentication is that everyone is unique and an individual can be identified by his or her intrinsic physical or behavioral trails

**FTTH / EPABX / MDTH / INTERCOM SOLUTION**

FTTH (Fiber to the Home) is the idea of bringing high speed networking, digital television and telephone service to residences using fiber optic cables. We recommend fiber optic cabling is the best technology for high-speed, high-quality residential area networking eventually replacing multiple telephonic, Internet and cable TV lines EPABX works as switching system for calls that enables both internal as well as external switching functions in a organization or mullistore building.

**CCTV SOLUTION**

One of the most popular and cost effective ways of providing security in the home and place of work is with CCTV cameras and equipment. CCTV cameras can act as a very successful deterrent to thieves and burglars, certainly making them think twice at the very least. The first benefit to having a video surveillance system is that it acts as a deterrent to crime.

**VIDEO DOOR PHONE**

VDP is stand alone intercom system used to manage calls made at the entrance to the building (residential complexdetached family home, Work place etc.) with access control by audiovisual communication between the inside & outside

**FIBER OPTIC NETWORK SOLUTION**

With over 17 years of experience in the industry, we aim to be the best choice for any fiber optic transmission related work. We can meet all of your installation and termination needs in a timely, professional manner, with top-notch quality We provide cost effective and customized Fiber Optic Solutions for both your Inside and Outside The plant needs using Unisol brand Din rail mount, Rackmount and IP Rated Wall-mount Patch panels and accessories. Whether it's repair work needed due to storns or cuts, or new build-outs due to capacity issues, we are your one-stop-shop! No job is too big or too small. Please look over our services, and contact us with any questions or requests.

AMC**ANNUAL MAINTENANCE CONTRACT (AMC)**

An Annual Maintenance Contract is an agreement with a service provider for repair and maintenance of property (i.e. equipments, accessories for the above services) used by your company. Unisol's expert team will reliably deliver service support through an annual maintenance contract (AMC) for all the above services after the warranty period or for your existing infrastructure. Benefits of Continuous updates/upgrades to the software ensuring optimal performance and productivity Annual Maintenance Contract (AMO)

**DIGITAL SATELLITE TV**

UNISOL MDTH is a customized solution for connecting multiple houses within the same multi-storied building with a single antenna/reflector to receive Direct-to-Home (DTH) services. MDTH solution delivers multiple service provider's signals to user locations including digital cable TV. We provide multi-DTH solutions for a residential apartment as plug and play. This solution makes their building DTH enable running multiple services on single coaxial cable. Likewise, Multi-DTH arrangement gives integration of service like CCTV and Telecom administration (Internet).



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