



# ENTERPRISE SOLUTIONS

Copper Solution | Fiber Solution | MPO Solution | Cabinet Solution

 **LUX**  
COMMUNICATIONS  
*Let's Get Connected*



# INTRODUCTION

LUX brings values, inspiration and energy to life through a comprehensive range of cables and cabling solutions that deliver recognizable quality for our customers. It is well known that use of multiple infrastructures within the enterprise, comprised of a variety of components or solutions from number of cabling providers and installers, adds undue complexity to the procurement and technical verification process, as well as compatibility and interoperability risk.

Our comprehensive enterprise structured cable solutions, including fiber, copper, cable

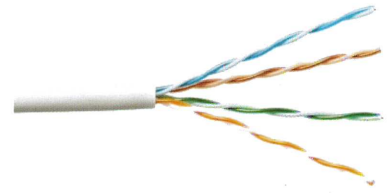
management and cabinet solutions are covered in commercial, residential, block wiring, campus or office expansion projects. We provide an integrated end-to-end cabling solution that meets your communication network requirements. We are your partner to evaluate, design, analyze and customize solution that best fits your needs today and prepare for tomorrow's demands.

# COPPER SOLUTION

## CAT5E U/UTP CABLE

LUX's Category 5e Unshielded Twisted Pair (UTP) cable is composed of 24 AWG bare copper conductor and fulfil ISO/IEC 11801 Class D standard.

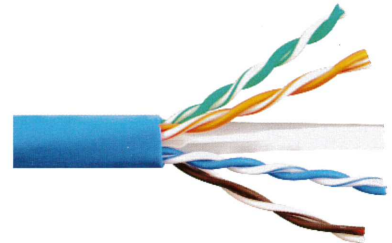
- 24 AWG bare solid copper conductor
- PVC Jacket
- UL certified
- 25 year system warranty available



## CAT6 U/UTP CABLE

LUX's Category 6 Unshielded Twisted Pair (UTP) cable is composed of 24 AWG bare copper conductor and fulfil ISO/IEC 11801 Class E standard.

- 24 AWG bare solid copper conductor
- LSZH jacket
- Delta certified
- 25 year system warranty available



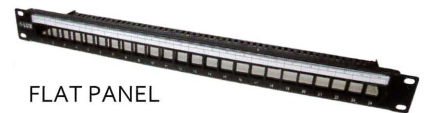
## 1U 24 PORT UTP PATCH PANEL

Lux's modular type copper patch panels solutions that accept all RJ45 keystone jacks in the market.

- Available in 1U, 2U, Flat and Angled
- Accepts all RJ45 keystone jacks
- Area for port identification and flexible for future upgrade
- Supplied with cable supporter
- 25 years system warranty available



ANGLED PANEL

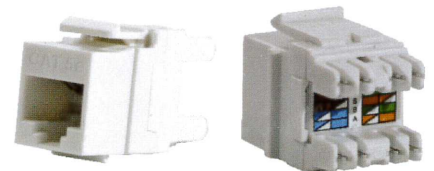


FLAT PANEL

## UNSHIELDED CAT5E KEYSTONE JACK

Cat5e Unshielded Keystone Jacks provide an alternative option that they can be installed into the faceplate, unloaded shuttered module and unloaded UTP patch panel.

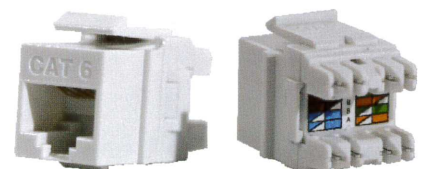
- Conforms to Cat5e standard
- LSA compatible IDC
- High performance
- Available in black/white
- Quick termination with termination tool
- 25 years system warranty available



## UNSHIELDED CAT6 KEYSTONE JACK

Cat6 Unshielded Keystone Jacks provide an alternative option that they can be installed into the faceplate, unloaded shuttered module and unloaded UTP patch panel.

- Conforms to Cat6 standard
- LSA compatible IDC
- High performance
- Available in black/white
- Quick termination with termination tool
- 25 years system warranty available



# COPPER SOLUTION

## RJ45 FACEPLATE

UK style RJ45 universal keystone faceplate (Single & Dual) is standard in the dimension of 86 x 86mm.

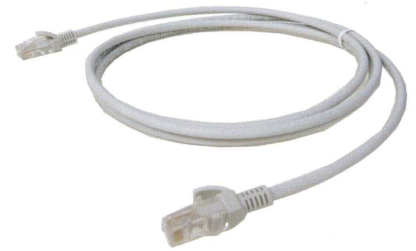
- Accepts Cat5e, Cat6 and Cat6A RJ45 Keystone Jacks
- Available in single and dual
- Angled design improves & secures overall performance
- Labeling area provided for identification



## CAT5E UTP PATCH CORD

Lux 4-pairs U/UTP Category 5e patch cords are constructed of 24 AWG unshielded and twisted pair stranded copper cable for providing voice or data transmission over the networks.

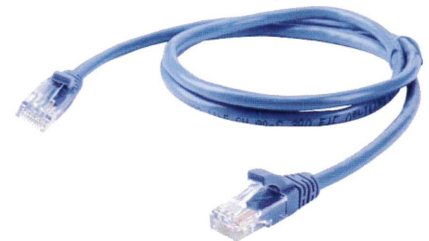
- 24 AWG Stranded bare copper conductor
- Terminated with RJ45 8-positions modular plug
- Injection moulded boot for improved strain relief
- Soft latch-cover design for easy depression
- 100% continuity test



## CAT6 UTP PATCH CORD

Lux 4-pairs U/UTP Category 6 patch cords are constructed of 24 AWG unshielded and twisted pair stranded copper cable for providing voice or data transmission over the networks.

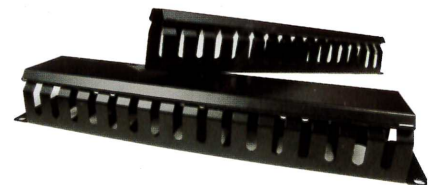
- Quality 24AWG stranded (flexible) cable
- Terminated with RJ45 8-positions modular plug
- Injection moulded boot for improved strain relief
- Soft latch-cover design for easy depression
- 100% component test



## HORIZONTAL CABLE MANAGER

Horizontal cable manager is to protect and manage copper or fiber cables under a professional environment.

- Available in 1U or 2U height
- All mount to standard 19" cabinet and racks
- Ring cover provides extra protection to the patch cords
- Available in plastic or metal



## TERMINATION HAND TOOL

An useful termination tool for you to terminate the copper cables much faster and easier than using traditional methods.

- Termination time saving by 70%+
- Force saving by 70%+
- Secure termination performance
- User friendly

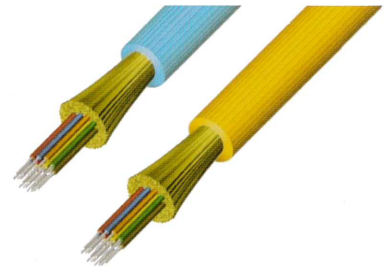


# FIBER SOLUTION

## INDOOR TIGHT BUFFERED DISTRIBUTION CABLE

This cable is designed for campus network cabling between buildings where inter-building lengths allows the installer can recognize saving from lower costs of terminating tight buffered cable.

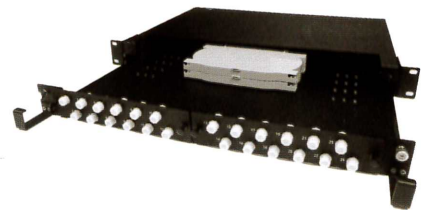
- 900µm tight-buffered construction facilitates easier termination
- LSZH jacket
- Compact structure and light in weight for easy handling
- Ease of installation



## FIBER PATCH PANEL

LUX offers a traditional fiber patch panel which is designed for various applications. This fiber patch panel is broadly used by telecom/Datacom...etc.

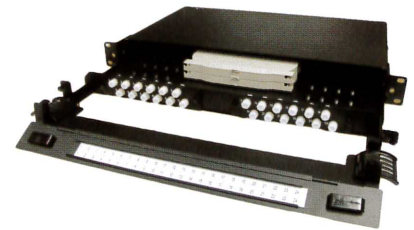
- Quality powder coating
- Long plate design for better operation space
- Quick installation & Installer friendly
- Supports 2 x various adapter faceplates
- Pre-loaded with 2 x 24 fiber splice tray
- Cable management hook



## RACK MOUNT ENCLOSURE

A stylish rack mount enclosure which is designed for various applications. This rack mount enclosure has a front cover offering extraordinary protection to the fiber patch cords and place for channel identification

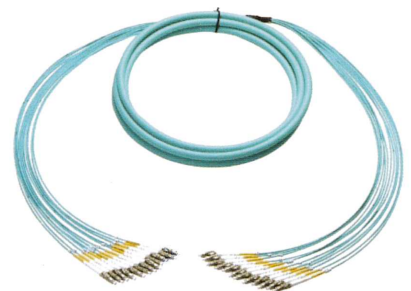
- Quality powder coating
- Multiple adaptor options available
- Front cover provides extra protection to the patch cord
- Identification label holder
- Premium cable management



## BREAKOUT CABLE ASSEMBLY

A premium quality factory pre-terminated breakout cable is to significantly reduce overall project cost by saving splicing fiber pigtails.

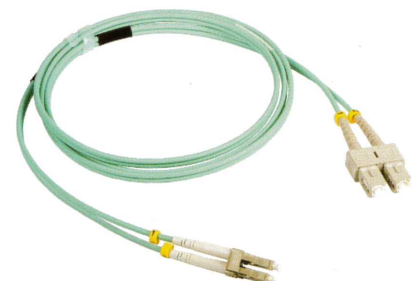
- Singlemode (OS1/OS2) & Multimode (OM1/OM2/OM3/OM4/OM5) available for option
- Low Insertion Loss
- High Return Loss
- Wide range of connector selection



## OPTICAL FIBER CABLE ASSEMBLY

Optical cable assemblies are engineering for maximum performance and crafted ensuring superior quality.

- Singlemode (OS1/OS2) & Multimode (OM1/OM2/OM3/OM4/OM5) available for option
- Low Insertion Loss
- High Return Loss
- Wide range of connector selection
- Fast lead time

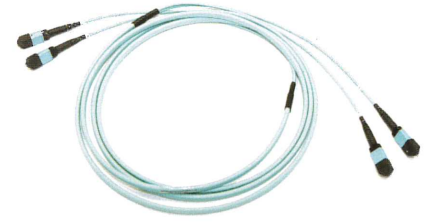


# MPO SOLUTION

## MPO TRUNK CABLE

MPO Trunk cable is designed for fast termination with limited space provided. This product offers highest density in the market and mainly used in the data center but it can be considered for enterprises application with constraints.

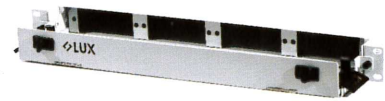
- Fast installation
- High density
- Space saving
- Elite low loss
- Type A/B/C available for option



## MPO PATCH PANEL

The MPO patch panel provides a high density platform up to 4 x MPO cassettes. Capacity can be up to 96 x LC for each RU.

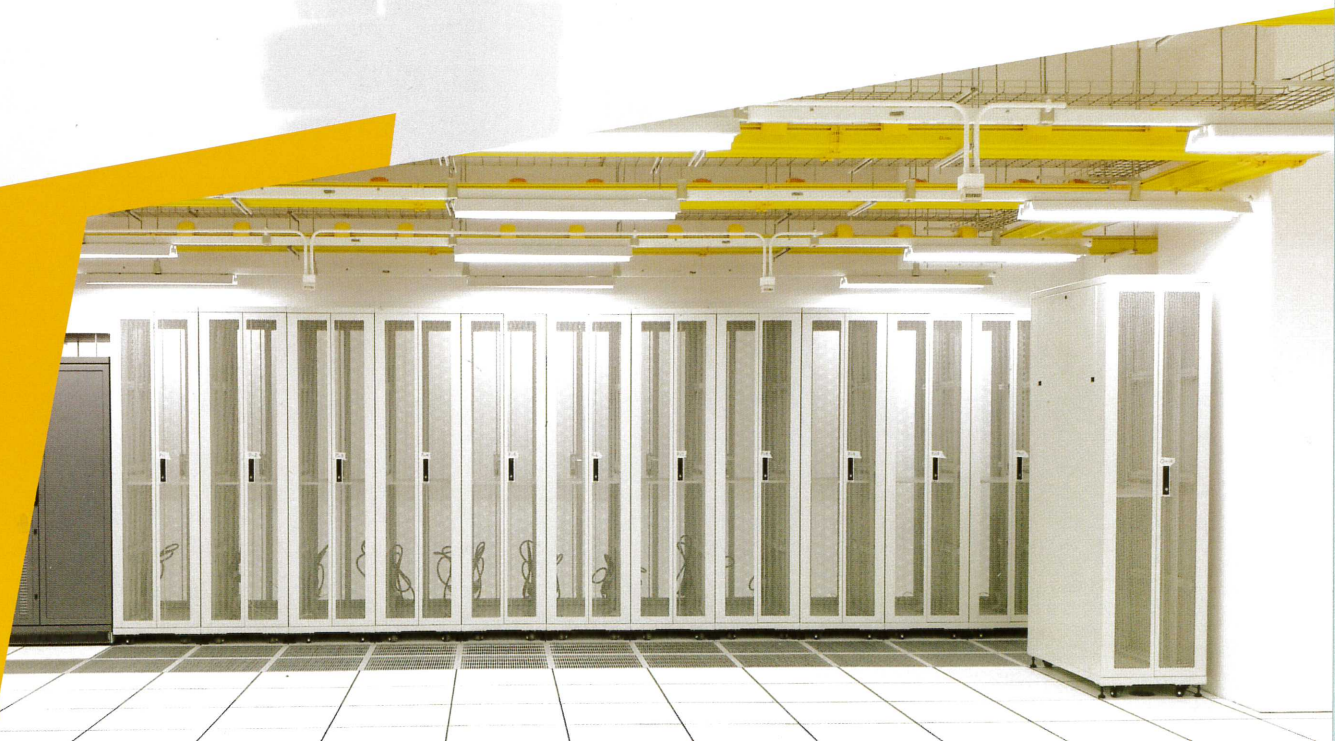
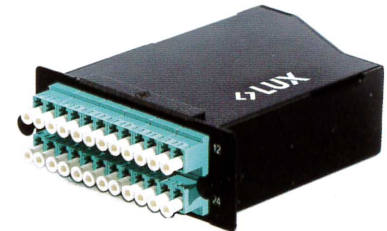
- High density (up to 96 x LC in 1U)
- Excellent cable management
- Easy and fast deployment
- Front cover provides extra protection to the patch cord & identification



## MPO CASSETTE

MPO cassettes are designed to mount on the MPO patch panel in order to provide the fastest installation time and highest density than traditional splicing solution.

- Quick installation
- Elite low loss
- 12 fiber & 24 fiber available for option



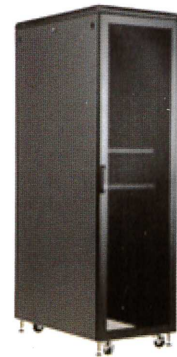


## CABINET SOLUTION

### FLOOR MOUNT CABINET

We offer a comprehensive range of cabinets. Our high quality products and applications address challenge of cable management, cooling, energy saving, space utilization and scalability.

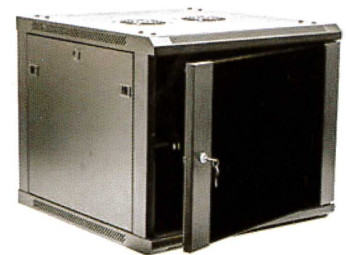
- Load Capacity
- Modularity
- Scalability
- Adaptability
- High Capacity Hosting



### WALL MOUNT CABINET

Wall mount cabinets provide IT/ Network hosting in spaces that often serve another primary function and where space optimization is critical. They are designed for applications that require secure hosted devices and are ideal for locations where floor mounting space is limited, as is common in retail establishments, schools and offices.

- Available in standard size of 19" EIA/ECA-310 standard
- 4U, 6U, 9U, 12U, 15U, 18U and 21U for option
- Static loadings of 60kg or above
- Top and bottom panels allow cables lead-in.
- Fan mounting units as optional for better thermal management





 [www.lux-comms.com](http://www.lux-comms.com)

## Headquarter

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Shanghai

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Dongguan



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