# estelan

# ENTERPRISE
# BUSINESS SOLUTIONS

Product Brochure

# Index

# STL

**A leading optical and digital solutions company.**

Research and Development
**4 Innovation Centres**

Strong DNA of Innovation
**640* Patents across the network layer**
*As on end of Q3 FY23*

World class manufacturing facilities in
**India, US, China, Brazil & Italy**

Advanced product offerings to build
**5G, Rural, FTTx, Enterprise and Data Centre networks**

# Creating hyper-scale
# Digital Infrastructure

**Telcos**

To connect each customer with the latest data applications while ensuring better experience.

**Cloud Companies**

To enable future application and immersive content by bringing computer & storage capabilities to the edge

**Citizen Networks**

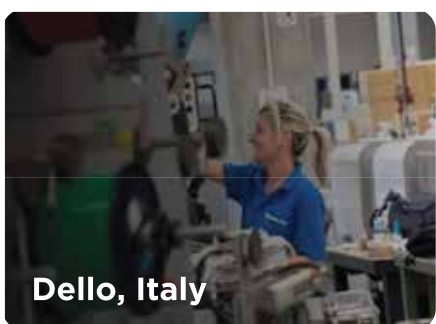To empower every citizen with high quality primary connectivity.

**Large Enterprises**

To create secure networks for the specialized enterprise use cases.

# Global Manufacturing Operations

STL is a leading global optical and digital solutions company providing advanced offerings to build 5G, Rural, FTTx, Enterprise and Data Centre networks. The company, driven by its purpose of 'Transforming Billions of Lives by Connecting the World', designs and manufactures in 4 continents with customers in more than 100 countries.

STL has a strong global presence with design and manufacturing capabilities in India, Italy, the UK, the US, China, and Brazil.



Shendra, India



Waluj, India



Silvassa, India



Dello, Italy



Haimen, China



Dadra, India



Curitiba, Brazil



Milan, Italy



South Carolina, USA

# The choice for
## **Enterprise LAN**

Beyond a rich legacy of developing fibre optics, data communication cabling and connectivity products around the world, they're developed with you in mind. Our desire is to make your experience from enquiry through installation as seamless as possible. Rely on us to get you a solution and the support that will satisfy your needs and support your users for the long-run.

### Responsible

Sustainable solutions that are RoHS, ETL ,UL, GHMT and CPR certified.
A commitment to responsible manufacturing, products and packages are designed with miniaturisation and minimising materials and waste in mind, along with our regional distribution model keeping the supply close to the market.
Cables manufactured at Zero Waste to Landfill certified facility.

### Value

Our teams have decades of product innovation and network solutions knowledge.

### Usability

Our products are engineered with you in mind. Usability is key. The scalability and compatibility of the solution serves you for the long-run.

### Support

We offer 25 year warranties* for our products and systems.
We offer design support and tech support.
Our robust and talented network of distributors and integrators are trained and certified.
Looking for a bespoke solution? Talk to us. We'd love to innovate with you.

\* According to STL Policy

# Copper Components

## Twisted Pair Cable

We offer a comprehensive range of data cables for a variety of applications in structured cabling, including customized cable designs in UTP (Unshielded Twisted Pair), STP (Shielded Twisted Pair), indoor and outdoor categories. Our data cables address different physical layer field applications, be it for enterprise networks, education, WiFi, CCTV Surveillance and other building automation.

Estelan copper cables offer hyper reliability and deliver superior performance in data transmission. Customers, across the globe, have augmented their networks with Estelan superior noise immunity data cables that offer high headroom at both, low and high frequencies. Our cable complies with PoE performance.

**Cat 6A U/UTP Cable**

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|---|---|---|---|---|---|
| 32127-C1C2P1P2 | Cat 6A U/UTP-LSZH | CPR-Eca | ✔ | ✔ | on demand |

Note: Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)
Grey (01)   Blue (02)   Red (03)   White (04)
Violet (05)   Orange (06)   Yellow (07)

### Packaging (P1 P2)
Available in Reel of 305m (1000ft) **(04)** / Reel of 500m (1640ft) **(05)**
Length Tolerance: +/- 2 meter

**Cat 6A U/FTP Cable**

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|---|---|---|---|---|---|
| 32527-C1C2P1P2 | Cat 6A U/FTP-LSZH | CPR-Eca | ✔ | on demand | on demand |

Note: Higher CPR Category will be made available on demand

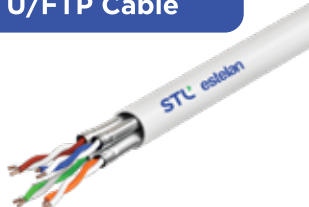### Jacket Colour (C1 C2)
Grey (01)   Blue (02)   Red (03)   White (04)
Violet (05)   Orange (06)   Yellow (07)

### Packaging (P1 P2)
Available in Reel of 305m (1000ft) **(04)** / Reel of 500m (1640ft) **(05)**
Length Tolerance: +/- 2 meter

## Cat 6A F/FTP Cable

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|---|---|---|---|---|---|
| 32427-C1C2P1P2 | Cat 6A F/FTP-LSZH | CPR-Eca | on demand | on demand | on demand |

Note: Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)

● Grey (01)   ● Blue (02)   ● Red (03)   ○ White (04)
● Violet (05)   ● Orange (06)   ● Yellow (07)   ● PE-Black(08)

### Packaging (P1 P2)

Available in Reel of 305m (1000ft) **(04)** / Reel of 500m (1640ft) **(05)**
Length Tolerance: +/- 2 meter

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## Cat 6A S/FTP Cable

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|---|---|---|---|---|---|
| 32627-C1C2P1P2 | Cat 6A S/FTP-LSZH | CPR-Eca | on demand | on demand | on demand |

Note: Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)

● Violet (05)

### Packaging (P1 P2)

Available in Reel of 305m **(04)** / Reel of 500m **(05)**

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## Cat6 U/UTP Cable-23AWG

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|---|---|---|---|---|---|
| 22127-C1C2P1P2 | Cat6 U/UTP-LSZH-23AWG | CPR-Eca | ✔ | on demand | on demand |
| 21127-C1C2P1P2 | Cat6 U/UTP-PVC-23AWG | CPR-Eca | ✔ | ✔ | ✔ |
| 23126-C1C2P1P2 | Cat6 U/UTP-PE-23AWG | CPR-Fca | on demand | on demand | on demand |

Note: Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)

● Grey (01)   ● Blue (02)   ● Red (03)   ○ White (04)
● Violet (05)   ● Orange (06)   ● Yellow (07)   ● PE-Black(08)

### Packaging (P1 P2)

Available in Reelex II packing of 305m (1000 ft) **(03)**;
Available in Reel in box of 305m (1000ft) **(04)**; Reel of 500m (1640ft) **(05)**
Length Tolerance: +/- 2 meter

## Cat6 U/UTP Cable-24AWG

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|----------|--------------|------------|--------------|-----------|-------------|
| 22137-C1C2P1P2 | Cat6 U/UTP-LSZH-24AWG | CPR-Eca | on demand | on demand | on demand |
| 21137-C1C2P1P2 | Cat6 U/UTP-PVC-24AWG | CPR-Eca | ✔ | ✔ | ✔ |

Note : Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)

- ● Grey (01)
- ● Blue (02)
- ● Red (03)
- ○ White (04)
- ● Violet (05)
- ● Orange (06)
- ● Yellow (07)
- ● PE-Black(08)

### Packaging (P1 P2)

Available in Reelex II packing of 305m (1000 ft) **(03)**;
Available in Reel in box of 305m (1000ft) **(04)**; Reel of 500m (1640ft) **(05)**
Length Tolerance: +/- 2 meter

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## Cat 5e U/UTP Cable

### Product Code/ Part No.

| Part No. | Product Name | Euro Class | ETL Verified | UL Listed | UL Verified |
|----------|--------------|------------|--------------|-----------|-------------|
| 12137-C1C2P1P2 | Cat5e U/UTP-LSZH | CPR-Eca | on demand | on demand | on demand |
| 11137-C1C2P1P2 | Cat5e U/UTP-PVC | CPR-Eca | ✔ | ✔ | ✔ |
| 13136-C1C2P1P2 | Cat5e U/UTP-PE | CPR-Fca | on demand | on demand | on demand |

Note: Higher CPR Category will be made available on demand

### Jacket Colour (C1 C2)

- ● Grey (01)
- ● Blue (02)
- ● Red (03)
- ○ White (04)
- ● Violet (05)
- ● Orange (06)
- ● Yellow (07)
- ● PE-Black(08)

### Packaging (P1 P2)

Available in Reelex | packing of 305m (1000ft) **(02)**
Length Tolerance: +/- 2 meter

# Keystone Outlet

STL Estelan range of keystone outlets conform to Class E and EA performance respectively as defined in ISO/IEC 11801, TIA 568 and EN 50618. Each jack is available with both 180˚ and 90˚ termination design, wiring diagram and conductor protection cap. STL keystone outlet are perfect for high-density applications, due to their small form factor.



## Cat6A Keystone Outlet

### Product Code/ Part No.

| Part No. | Description |
|----------|-------------|
| NXIOC6ASX180XX | Keystone Outlet, Shielded 180° |
| NXIOC6ASX090XX | Keystone Outlet, Shielded 90° |
| NXIOC6AUX180XXLD | Keystone Outlet with LED Unshielded 180° |
| NXIOC6AUX180XX | Keystone Outlet, Unshielded 180° |
| NXIOC6AUX090XX | Keystone Outlet, Unshielded 90° |

Note: XX= Colour (Refer to the datasheet for details)

## Cat6 Keystone Outlet

**Product Code/ Part No.**

| Part No. | Description |
|---|---|
| NXIOC06UX180XX | Keystone Outlet, Unshielded 180° |
| NXIOC06UX180XXLD | Keystone Outlet with LED Unshielded 180° |
| NXIOC06UX090XX | Keystone Outlet, Unshielded 90° |

Note: XX= Colour (Refer to the datasheet for details)

# Faceplate

The shuttered faceplate allows mounting of keystone outlets in all the installation requirements. The standard faceplates are available in white high impact plastics and are ABS UL 94V-0 compliant. The accessories include labels and mounting screws.

### Faceplates

**Product Code/ Part No.**

| Part No. | Description |
|---|---|
| NXFP01BSXX | Faceplate Shuttered UK Style, Single |
| NXFP02BSXX | Faceplate Shuttered UK Style, Dual |
| NXFP04BSXX | Faceplate Shuttered UK Style, Quad |
| NXFP01USXX | Faceplate 1 Port US Style |
| NXFP02USXX | Faceplate 2 Port US Style |
| NXFP04USXX | Faceplate 4 Port US Style |

Note: XX= Colour (Refer to the datasheet for details)

### Backbox

**Product Code/ Part No.**

| Part No. | Description |
|---|---|
| NXGBBSXX | Backbox for UK Style faceplate |

Note: XX= Colour (Refer to the datasheet for details)

# Patch Panel

STL Estelan modular patch panels offers fast and reliable installation of unshielded and shielded cables. A rear cable management bar is supplied along with the patch panel, which acts as stress reliever for terminated cables. Each port of the panel is numbered for clear port identification. Accessories include mini cable ties, cage nuts and rear cable management.

**Straight Patch Panel**

### Product Code/ Part No.

| Part No. | Description |
|---|---|
| NXPPUXSTRE1U24 | Copper Patch Panel Straight, 24 Modular Port Unloaded, 1U, Unshielded, Wire Manager Included |
| NXPPSXSTRE1U24 | Copper Patch Panel Straight, 24 Modular Port Unloaded, 1U, Shielded, Wire Manager Included |

**Angled Patch Panel**

### Product Code/ Part No.

| Part No. | Description |
|---|---|
| NXPPUXANGE1U24 | Copper Patch Panel Angled, 24 Modular Port Unloaded, 1U, Unshielded, Wire Manager Included |
| NXPPSXANGE1U24 | Copper Patch Panel Angled, 24 Modular Port Unloaded, 1U, Shielded, Wire Manager Included |

# Copper Patch Cord

High Speed Gigabit, LSZH/PVC, RJ45 Patch cord delivers optimal transmission and networking performance with reduced insertion loss and alien crosstalk. These high performance copper patch cords designed to meet all Cat6/Cat6A specifications are available in multiple lengths.

**Copper Patch Cords**

### Product Code/ Part No.

| Part No. | Description |
|---|---|
| NXPCC6A Series | High Speed 10G CAT6A Patch cords |
| NXPCC06 Series | High Speed 1G CAT6 Patch cords |
| NXPCC06 LED Series | High Speed 1G CAT6 Patch cords with LED |
| NXPCC06A LED Series | High Speed 10G CAT6A Patch cords with LED |
| NXPCC6AS5Z28XXYYLD | CAT6A Patch cord with LED S/FTP 28AWG LSZH |

(Refer to the datasheet for details)

# Optical Fibre Components

## Optical Fibre Cable

STL designs and manufactures a comprehensive line of fibre optic cables ranging from outside plant to indoor/outdoor. STL fibre optic cabling systems are ideal for premises, inter and intra-building backbone connectivity for campuses. We offer high-performance optical fibre cable designs that meet or exceed industry standards. Our wide range of fibre optic cables include tight buffer, and loose tube constructions with industry-leading single-mode and multi-mode fibre.

### Drop Lite Unitube Single Sheath Aerial Drop OFC

**Product Code/ Part No.**

| Part No. | Product Name |
|---|---|
| F1YYYYXX01GUP10000 | Drop Lite Unitube Single Sheath Aerial Drop |

Note: YYYY= Fibre Count, XX=  Fibre Type (Refer to the datasheet for details)

### Tight Buffer LSZH Riser OFC

**Product Code/ Part No.**

| Part No. | Product Name |
|---|---|
| M30006XX06NTL10000 | 6F Tight Buffer LSZH Riser Cable |
| M30008XX08NTL10000 | 8F Tight Buffer LSZH Riser Cable |
| M30012XX12NTL10000 | 12F Tight Buffer LSZH Riser Cable |
| M30024XX24NTL10000 | 24F Tight Buffer LSZH Riser Cable |

Note: XX=  Fibre Type (Refer to the datasheet for details)

![STL logo]

## Armor Lite Unitube Single Jacket Armored OFC

**Product Code/ Part No.**

| Part No. | Product Name |
|---|---|
| G1YYYYXX01GUB10000 | Armor Lite UT Single Jacket Armored OFC |

Note: YYYY= Fibre Count, XX= Fibre Type (Refer to the datasheet for details)

## Armor Lite Multitube Single Sheath Armored OFC

**Product Code/ Part No.**

| Part No. | Product Name (Armor Lite MT Single Sheath Armored OFC) |
|---|---|
| B1YYYYXX01GAP10200 | 12F (12Fx1T) MLT Armored OFC |
| B1YYYYXX02GAP10100 | 24F (12Fx2T) MLT Armored OFC |
| B1YYYYXX03GAP10100 | 36F (12Fx3T) MLT Armored OFC |
| B1YYYYXX04GAP10100 | 48F (12Fx4T) MLT Armored OFC |
| B1YYYYXX05GAP10100 | 60F (12Fx5T) MLT Armored OFC |
| B1YYYYXX06GAP10100 | 72F (12Fx6T) MLT Armored OFC |
| B1YYYYXX08GAP10300 | 96F (12Fx8T) MLT Armored OFC |
| B1YYYYXX12GAP10100 | 144F (12Fx12T) MLT Armored OFC |

Note: YYYY= Fibre Count, XX= Fibre Type (Refer to the datasheet for details)

# Optical Fibre Patch Cords

Fibre optic cable assemblies are designed for use in telecommunications, data communications and Local area network applications. The patch cords are available with 2mm/3mm jackets and 0.9mm pigtails are with LC connector. The pigtails & patch cords are with LSZH Jacket.

## Optical Fibre Patch Cords

**Product Code/ Part No.**

| Part No. | Description |
|---|---|
| DPB Series | LC Uniboot/ Duplex patch cords |
| DPT Series | LC Pigtail Single mode |

(Refer to the datasheet for details)

# Fibre Management System & Accessories

STL Fibre Management System (FMS) shelf series is ideal for high density front patching applications. Its compact design and high density capacity allows it to deliver carrier class fibre management to LAN and Enterprise Network.



**Fibre Management System**

### Product Code/ Part No.

| Part No. | Description |
|---|---|
| NXFMR12MP12LPD1YYY | 19" 1U 12F FMS Adaptor loaded |

Note: YYY = Adaptor type, XXX= Length in Meter (Refer to the datasheet for details)

# MPO Patch Cords & Trunk Cables

STL MPO patch cables are optimized for data center connectivity supporting the topologies as specified in the data center standards EN50173-5 and ISO/IEC 24764. With the combination of MPO patch cables, MPO to LC/SC Cassettes modules and other plug and play accessories, it very easy and convenient to build 10/40/100G network.



**MPO Patch Cords and Trunk Cables**

### Product Code/ Part No.

| Part No. | Description |
|---|---|
| MPP Series | MPO Fibre Patch cord |
| MPT Series | MPO Fibre Trunk cable |

(Refer to the datasheet for details)

# 12/24F MPO to LC Cassette

STL MPO to LC modular Cassette modules with the flat mounting panel are the best suited solutions for the connectivity in Enterprise network. Modular and light weight Cassettes made of AL provides a reliable and low loss connectivity option to split the connections for 10/40/100G connections as needed. The modular and high-density arrangement helps in connecting 48 LC ports in 1RU space.
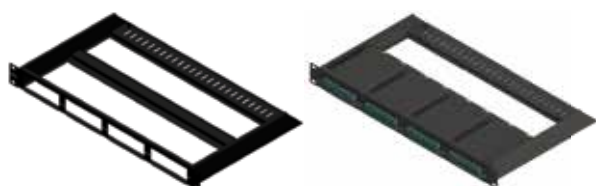
**12/24F MPO to LC Cassette**



**Product Code/ Part No.**

| Part No. | Product Name |
|----------|--------------|
| MCMXPYYGZZ | MPO to LC/UPC modular Cassettes |
| MCMXPYYMZZ | MPO to MPO modular Cassettes |

Note: X = Base, YY= MPO Type, ZZ= Fibre Type

# 1RU Panel for MPO Cassette

STL 1RU panel is a custom designed panel for MPO Cassettes. Made of CRCA steel sheet with black power coating, is very sturdy and provides long service life. Flat 1RU panel with 19 inch width is best suited for mounting inside the equipment racks. The rear cable support bar with slots for Velcro tie is the ideal solution to support and secure the connecting cable loop without entangling with other adjacent cables.

**1RU Panel for MPO Cassette**



**Product Code/ Part No.**

| Part No. | Product Name |
|----------|--------------|
| FMR05AL12NA | 1RU Panel for MPO to LC with support bar, Black |

03/072023

STL' | beyond tomorrow

## ABOUT STL - STERLITE TECHNOLOGIES LTD.

### A leading optical and digital solutions company.

STL is a leading global optical and digital solutions company providing advanced offerings to build 5G, Rural, FTTx, Enterprise and Data Centre networks. The company, driven by its purpose of 'Transforming Billions of Lives by Connecting the World', designs and manufactures in 4 continents with customers in more than 100 countries. Telecom operators, cloud companies, citizen networks, and large enterprises recognize and rely on STL for advanced capabilities in Optical Connectivity, Global Services, and Digital and Technology solutions to build ubiquitous and future-ready digital networks. STL's business goals are driven by customer-centricity, R&D and sustainability. Championing sustainable manufacturing, the company has committed to achieve Net Zero emissions by 2030. With top talent from 30+ nationalities, STL has earned numerous 'Great Place to Work' awards and been voted as the 'Best Organisation for Women'.

STL has a strong global presence in India, Italy, the UK, the US, China, and Brazil.