



Connecting Networks. Empowering Communication.

Who We Are?

Founded in 2025, Nexivox (OPC) Private Limited brings cutting edge excellence to copper cable, optical fiber, antenna, and SFP products. Our commitment to innovation and service empowers us to deliver reliable, turnkey telecom solutions designed for the industry's ever-changing demands.

Our Strategic Vision.

We envision becoming a trusted leader in connectivity solutions, celebrated for our innovation, quality, and customer focus. We are committed to helping shape a future where everyone and everything is connected.

Our Strategic Mission.

Our mission is to deliver superior materials and components that support dependable and efficient communication networks. We are committed to becoming a trusted partner by offering innovative, affordable solutions tailored to customer needs. With continuous improvement and customer-centric practices, we work to advance communication technology.

Why Choose us.

- **Certified Quality**

ISO 9001:2008 compliant systems for consistent performance.

- **Innovation at Core**

Advanced R&D and future-ready technologies.

- **End-to-End Delivery**

Design, build, and deploy—seamless execution.

- **High Reliability Products**

Built to perform in demanding network environments.

- **Customized Solutions**

Tailored designs for specific network requirements.

- **Competitive Pricing**

Value-driven without compromising quality.

- **Technical Expertise**

Experienced team with strong industry knowledge.

- **Scalability & Future Growth**

Solutions designed to evolve with network expansion.

- **Customer Training & Support**

Documentation, onboarding, and after-sales assistance.

Our Products.

Optical Transceivers

- 800G
- 400G
- 200G
- 100G QSFP28
- 100G CFP/CFP2/CFP4
- 40G QSFP+
- 25G SFP28
- 10G SFP+
- 10G XFP
- 10G X2
- 10G XENPAK
- 8.25G/6.25G
- 1.25G/4.25G
- CWDM Transceiver
- DWDM Transceiver
- Copper Transceiver
- GPON OLT SFP
- EPON OLT SFP
- AOC & DAC

Copper Cables

- CU CABLES
- COPPER PATCH CORDS

Our Products.

Antenna

- Rubber Duck Antenna
- Magnetic Antenna
- Fiber Glass Antenna
- RF Connectors
- Coaxial Cables
- GPS Antenna
- Customized Plastic PT
- Built in Antenna
- Combo Antenna
- Directional Antenna

Passive Item

- PLC Splitter with and without connector.
- FBT ratio coupler with and without connector.
- FDWM
- Fiber optic stripper.
- Fiber Protection Sleeves.
- Patch Cord & Pigtail.
- JC Box .
- Mini JC Box.
- JC Box Bamboo.
- FTTH Box.
- Mini FMS 4/8 Port.
- FMS 12/24/48 Port

Optical Transceivers

Our SFP family includes a comprehensive range of optical transceivers designed for reliable, high-performance data transmission across enterprise networks, data centers, and carrier-grade infrastructure. All modules are built to industry standards (IEEE, MSA) and ensure seamless compatibility with major OEM switches and routers.

Custom Orders

- Custom Branding | OEM | Bulk Orders Supported
- Provide exact specifications for tailored SFP solutions.

Quality & Compliance

- IEEE, MSA Standards
- RoHS Compliant
- 100% Tested for TX/RX Power
- Wide Temperature Range Options



Copper Cables

Currently, there are **seven widely used categories of Ethernet cable** available on the market today: **CAT5, CAT5e, CAT6, CAT6A, CAT7,CAT7A,and CAT8.**

Each category has its own performance rating, bandwidth capacity, and ideal use case, making it important to understand the differences before choosing the right solution.

In this guide, we will explore **what each category offers**, where they perform best, and how they compare in terms of speed, shielding, and overall practicality for real-world networking environments.

Before diving into individual specifications, it's helpful to recognize the **core characteristics that all Ethernet cable categories share**. These common features create the foundation upon which higher-level enhancements are built.

Category	Shielding	Max Transmission Speed (at 100 metres)	Max Bandwidth
Cat 5	Unshielded	10/100 Mbps	100 MHz
Cat 5e	Unshielded	1000 Mbps / 1 Gbps	100 MHz
Cat 6	Shielded or Unshielded	1000 Mbps / 1 Gbps	>250 MHz
Cat 6a	Shielded	10000 Mbps / 10 Gbps	500 MHz
Cat 7	Shielded	10000 Mbps / 10 Gbps	600 MHz
Cat 8	Shielded	25 Gbps or 40Gbps *	2000 MHz

CAT 6

Construction Parameters Conductor

- Material: 100% Bare Copper (or CCA optional)
- Gauge: 23 AWG solid
- Diameter: 0.56 mm $\pm$ 0.01 mm

Insulation

- Material: HDPE
- Insulation Diameter: 1.02 mm (approx.)

Pairs

- 4 twisted pairs
- Colour code:
- Blue / White-Blue
- Orange / White-Orange
- Green / White-Green
- Brown / White-Brown

Separator

- Yes (Cross separator for CAT6 UTP) Jacket
- PVC / LSZH / PE (Outdoor)
- Outer Diameter: 6.0 – 6.3 mm

CAT 6A

Construction Parameters Conductor

- Material: 100% Bare Copper
- Gauge: 23 AWG solid
- Diameter: 0.57–0.60 mm

Insulation

- HDPE insulation
- Diameter: $\sim$ 1.05 – 1.10 mm

Pair Structure

- 4 precision twisted pairs
- Colour code:
- Blue / White-Blue
- Orange / White-Orange
- Green / White-Green
- Brown / White-Brown

Separator / Shield

- CAT6A U/UTP: Central cross separator
- CAT6A F/UTP: Aluminium foil overall shield
- CAT6A S/FTP: Individual pair foil + overall braid

Jacket

- PVC / LSZH / PE
- Outer Diameter:
- U/UTP: 7.3 – 7.6 mm
- F/UTP: 7.5 – 8.0 mm
- S/FTP: 8.0 – 8.5 mm



Rubber Duck Antenna



Magnetic Antenna



Fiber Glass Antenna



Built in Antenna



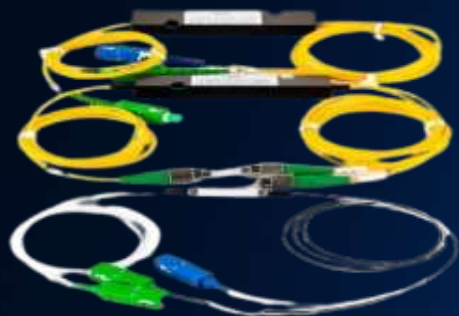
RF Connectors



PLC Splitter with &
without connector



FBT ratio coupler with
and without connector



FDWM



Fiber Optic stripper



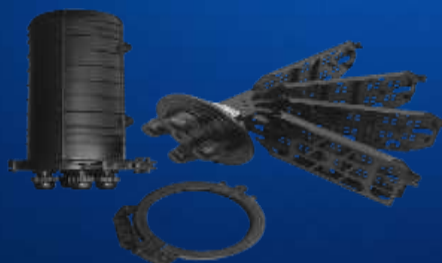
Fiber Protection Sleeves



Patch Cord & Pigtail



JC Box



JC Bamboo Box



FTTH Box



FIBER CABLE



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Mini FMS 4/8 Port

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**THANK
YOU**