



Next-Gen LAN Cables

*Shaping the Future of Connectivity*



Proudly Made in India for the World



[www.channeltech.in](http://www.channeltech.in)



# Who are we

Channeltech Systems Private Limited stands not only as a leader in LAN cable manufacturing but as a symbol of what passion, innovation, and vision can achieve. With our advanced connectivity solutions, we bridge gaps and enable industries worldwide to unlock their true potential in an ever-evolving digital age.

Founded by Mr. Kantilal D. Shah, Channeltech Systems was born out of a dream to redefine the cable industry. Today, that dream is a mission to empower businesses, inspire communities, and connect the world with precision and reliability. Every cable we produce carries the legacy of our founder's vision, woven with the relentless pursuit of excellence.

Our global partnerships across the Middle East, Europe, and the United States exemplify our commitment to delivering tailored solutions that meet the diverse needs of industries, from critical infrastructure projects to cutting-edge technological applications. At Channeltech, we don't just create cables; we create connections that matter.



# Message from the Managing Director



*At Channeltech Systems, we believe in transforming the way the world connects. Our journey is rooted in a commitment to quality, innovation, and trust. As we forge ahead, we remain dedicated to delivering exceptional connectivity solutions that empower businesses, communities, and individuals to thrive in an increasingly connected world. Together, let us build the future of networking.*

**- Mr. Devang Shah , Managing Director**



# Industries We Serve

Channeltech Systems provides tailored connectivity solutions to a wide array of industries, ensuring seamless operations and reliable performance in:



## **DATA CENTERS:**

High-speed cables for uninterrupted connectivity in mission-critical environments.



## **TELECOM:**

Advanced networking solutions supporting 5G and other telecom infrastructures.



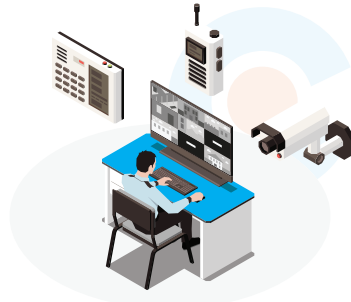
## **SMART CITIES:**

Supporting infrastructure projects with next-generation connectivity solutions.



## **INDUSTRIAL AUTOMATION:**

Robust cables designed to withstand harsh conditions in industrial setups.



## **CCTV AND SECURITY SYSTEMS:**

Specialized long-range cables for reliable surveillance.



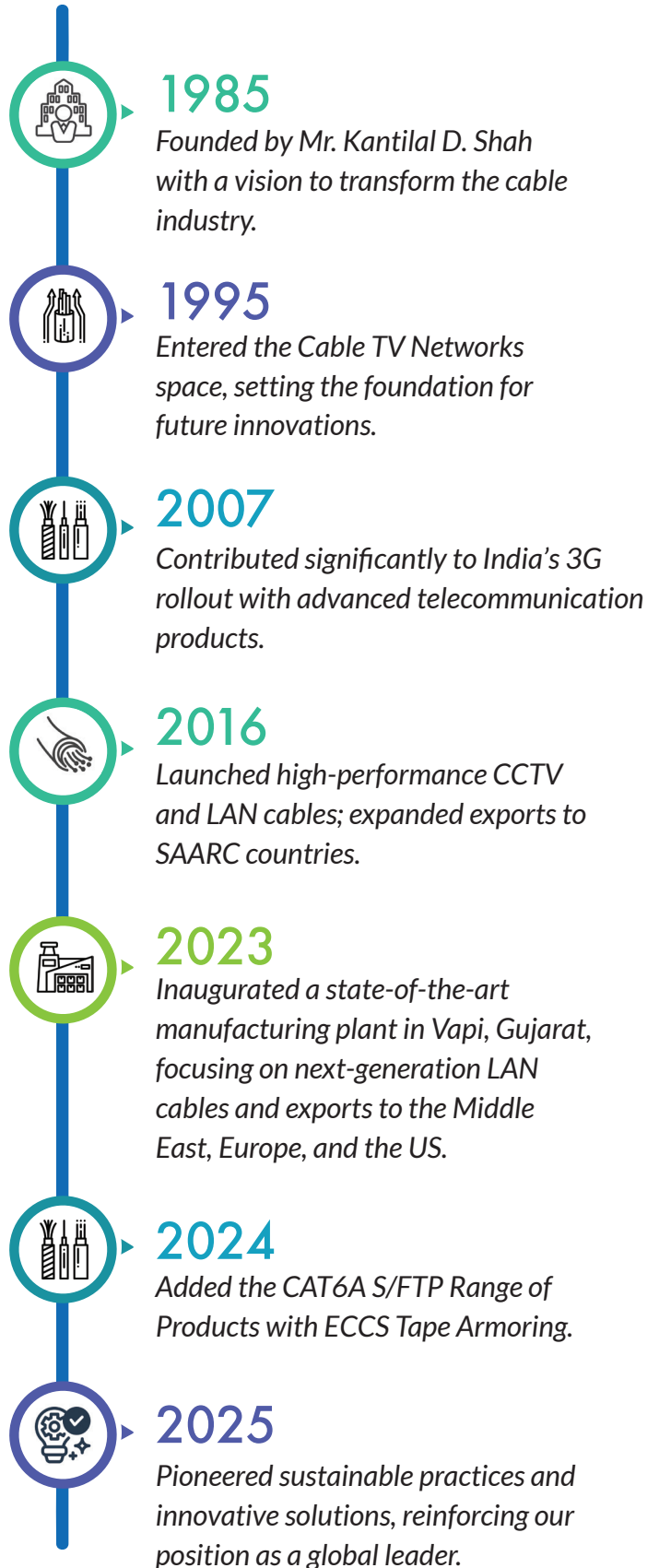
## **ENTERPRISE NETWORKS:**

Scalable solutions for businesses to achieve efficiency and productivity.



# Key Timelines

The journey of Channeltech Systems is a story of perseverance, innovation, and excellence. Each milestone marks a step closer to our goal of revolutionizing the world of connectivity:



# Innovation and R&D

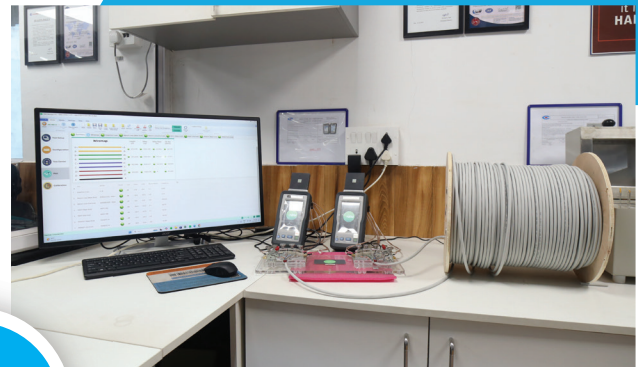
## INNOVATION AND RESEARCH & DEVELOPMENT

At Channeltech Systems, innovation drives everything we do. Our dedicated R&D team works tirelessly to develop groundbreaking solutions tailored to the evolving needs of our clients.

### Key highlights include:

- Development of custom cable designs for mission-critical applications.
- Integration of next-generation technologies for enhanced performance.
- Focus on sustainability with eco-friendly manufacturing innovations.

Our commitment to R&D ensures that we remain at the forefront of the industry, delivering solutions that exceed expectations and set new benchmarks in connectivity.





# Core Offerings

## NEXT-GENERATION LAN CABLES

### Unshielded Twisted Pair (UTP) Cables:

UTP cables are designed for cost-effective and reliable performance, making them ideal for general networking applications. With minimal interference and high-speed data transmission, UTP cables are widely used in residential, commercial, and enterprise environments.

- CAT6 U/UTP PVC/LSZH
- CAT6A U/UTP Teeth Design / AXT
- CAT6A U/UTP Double Jacket
- CAT6A DJ Water Blocking Tape / Jelly Filled Designs

### Shielded Cables:

Shielded cables offer enhanced protection against electromagnetic interference (EMI) and crosstalk, ensuring consistent and reliable performance in demanding environments. These cables are perfect for data centers, industrial setups, and applications requiring high signal integrity.

- CAT6 F/UTP
- CAT6A U/FTP
- CAT6A F/UTP
- CAT6A SF/UTP
- CAT6A S/FTP
- CAT7A S/FTP

### Armored Cables:

Channeltech Systems provides robust armored cables designed to perform in the harshest conditions. Our capabilities include:

- **GI Armoring:** Superior mechanical protection for demanding environments.
- **AL Armoring:** Lightweight yet durable for flexible installations.
- **ECCS Armoring:** Excellent electromagnetic shielding combined with tensile strength.
- **SS Armoring:** Unparalleled corrosion resistance for critical outdoor/aerial applications.

### CAT6 FLAT Cables for Elevators / Lifts:

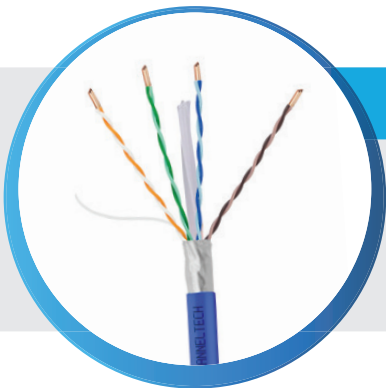
Ideal for high-movement environments like elevators and lifts, offering durability and longevity.

- **CAT6/6A:** Unique Multi-strand core design for additional flexibility along with rubberized PVC
- **GI Wire Support Design:** Added structural support for enhanced durability and reliability in demanding conditions.

# Product Gallery

## OUR PRODUCT GALLERY

Experience the wide range of products that define Channeltech's excellence in LAN cable manufacturing. Each product is designed to deliver unparalleled performance and reliability.

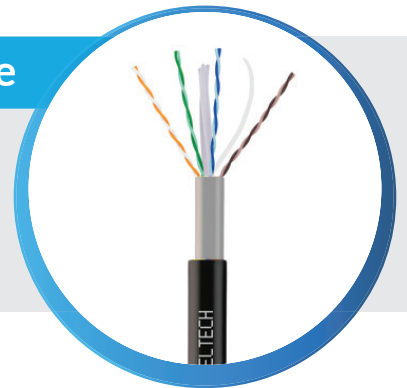


### 1. CAT6A U/UTP - AXT Complied Design

- **Features:** *High-speed data transmission with enhanced AXT mitigation.*
- **Application:** *Ideal for enterprise networks and data centers.*

### 2. CAT6A Water Blocking Tape - Double Jacket Cable

- **Features:** *Waterproof and durable; suitable for outdoor installations.*
- **Application:** *Designed for mission-critical projects requiring superior protection.*



### 3. CAT6A S/FTP Shielded Cable

- **Features:** *Advanced shielding for maximum EMI protection.*
- **Application:** *Perfect for high-frequency, high-speed data applications.*



# Product Gallery

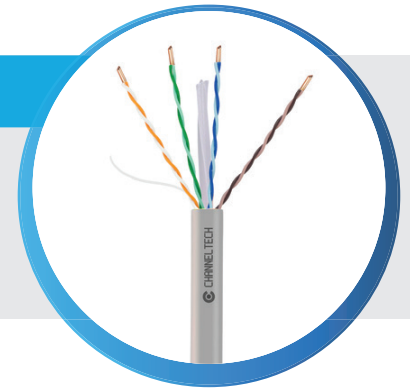


## 4. CAT6 FLAT Cable with GI Wire Support

- **Features:** *Flexible, space-saving design with added durability.*
- **Application:** *Specifically engineered for elevators and high-movement environments.*

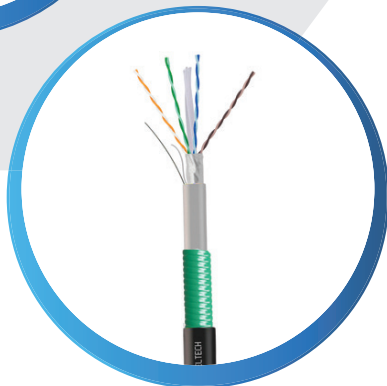
## 5. CAT6 U/UTP LSZH Cable - Slim Design

- **Features:** *Low-smoke, zero-halogen materials for safe installations.*
- **Application:** *Ideal for residential and commercial spaces.*



## 6. Customized Armored Solutions

- **Features:** *Options in GI, ECCS, AL, and SS armoring.*
- **Application:** *Tailored for rugged environments and specific industry needs.*



# CAT6A Cable Manufacturing Process

At Channeltech Systems, every cable we produce is a testament to our meticulous manufacturing standards. Here's how we create our world-class CAT6A S/FTP cables:

**1. Raw Material Selection:**  
*High-quality copper and insulation materials are sourced to meet stringent international standards.*

**3. Twisting and Pairing:**  
*Pairs are twisted and back-twisted to minimize crosstalk and electro-magnetic interference (EMI).*

**5. Cable Assembly:**  
*Shielded pairs are bundled with an overall foil for superior protection.*

**7. Armoring:**  
*Armoring materials like GI, AL, ECCS, or SS provide mechanical durability.*

**9. Quality Testing:**  
*Each batch undergoes rigorous testing to ensure compliance with global standards*

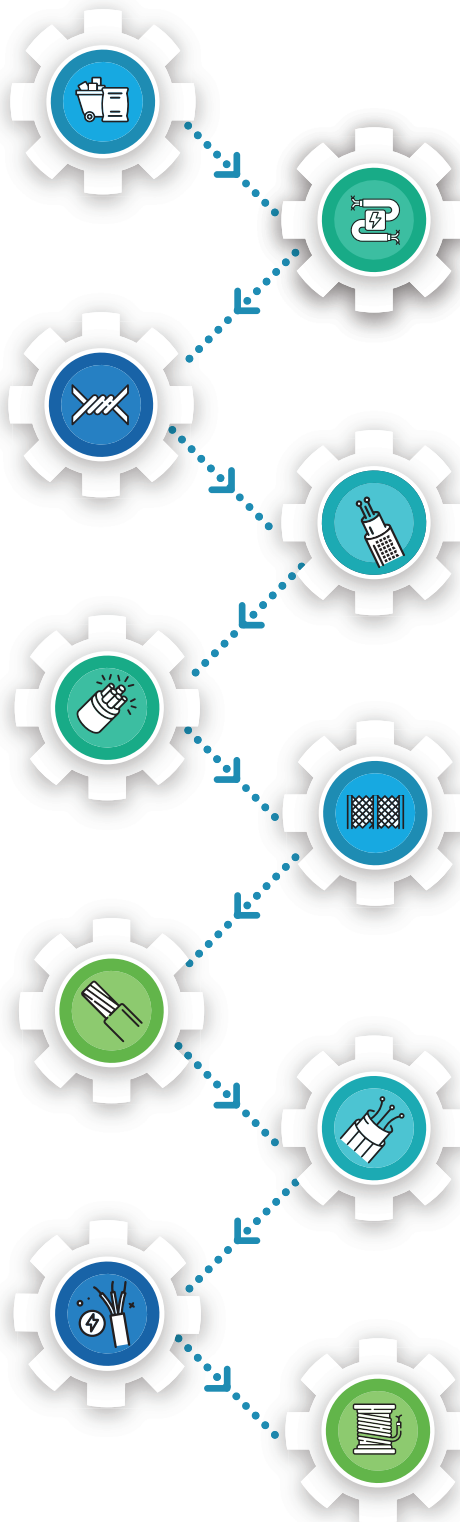
**2. High Speed Tandem Line:**  
*Copper wires are drawn to precise dimensions and annealed for flexibility and strength combined with inline insulation.*

**4. Foil Shielding:**  
*Each pair is individually shielded with aluminum foil for enhanced EMI resistance.*

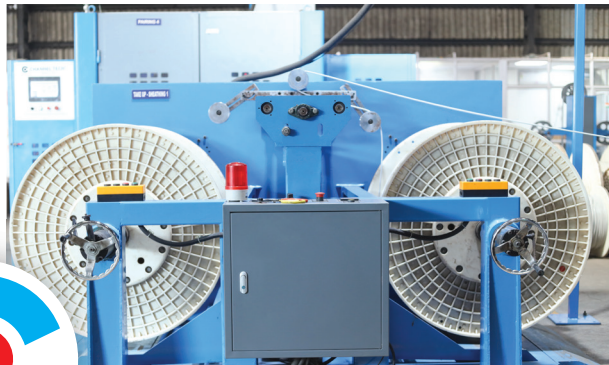
**6. Braiding :**  
*The assembled bunch is braid shielded with Tin Copper/Alloy at high speeds*

**8. Outer Jacketing:**  
*A fire-resistant jacket is applied to shield against environmental and mechanical stresses.*

**10. Coiling:**  
*Available in wooden reels, reel-in-a-box, tangle-free reeless designs.*



# Manufacturing Plant 1: Vapi, Gujarat





# Sustainability and CSR

## SUSTAINABILITY AND CORPORATE SOCIAL RESPONSIBILITY

At Channeltech Systems, we believe that innovation and sustainability go hand in hand.

### OUR EFFORTS INCLUDE:

- Energy-efficient & responsible manufacturing processes that minimize environmental impact.
- Use of recyclable materials in product design and Innovating on Product Lifecycle
- Initiatives to reduce waste and conserve natural resources.
- Creating Shared Value for Society
- Fostering a Safe Workplace.



Through the **Channeltech Learning Academy**, we are committed to empowering communities by offering comprehensive technical certifications and skill development programs. Our initiatives are designed to equip individuals with industry-relevant knowledge and practical expertise, enabling them to upskill, enhance their employability, and advance their careers. By fostering talent growth and promoting lifelong learning, we aim to drive social and economic progress, bridging the gap between aspirations and opportunities.

# Global Footprint

Channeltech Systems serves a diverse range of OEM clients across the globe, with exports spanning:

**Middle East / Africa:** Supporting the rapid development of smart cities and IT infrastructures.

**Europe/USA:** Partnering with leading OEMs to deliver customized cable solutions.

**SAARC Countries:** Catering to mission-critical projects in regional markets.

Our global expansion strategy focuses on building long-term partnerships, ensuring seamless supply chain management, and entering emerging markets to drive growth.



# Future Vision



As a forward-thinking organization, Channeltech Systems is committed to:

- Investing in cutting-edge technologies like AI-powered testing for cable diagnostics.
- Expanding our product portfolio to include CAT8 and single pair ethernet and solutions for 6G infrastructure.
- Strengthening our focus on sustainable manufacturing practices to minimize our carbon footprint.

Our goal is to continue setting benchmarks in quality and innovation, ensuring we remain the trusted partner for connectivity solutions worldwide.

# Testimonials



## CUSTOMER TESTIMONIALS

*"As an OEM supplier, Channeltech has redefined our expectations for agility, quality, and affordability. Their cables seamlessly integrate into our manufacturing processes, and their innovative approach has been a game-changer for us. They are much better than the legacy players in the market"*

— A Leading European OEM

*"We found in Channeltech a partner who truly understands the demands of the global CCTV industry. Their cutting-edge cables have enhanced the performance of our systems, and their responsiveness to our needs sets them apart."*

— A Leading Global CCTV Manufacturer

*"For years, we struggled to find a partner who understood our unique needs. Channeltech's customer-centric approach has made them an integral part of our requirements."*

— An Industrial Automation OEM



# Awards and Recognitions



Channeltech's leadership in the LAN cable industry is reflected in the accolades we have received:

- **Innovation in Cable Design Award (2024):** Honoring our advancements in product development for CAT6A - eliminating Alien Cross Talk design.
- **MSME Champion - Sustainable (ZED) Certification:** Highlighting our commitment to eco-friendly practices.
- **ET MSME Awards 2024** - Nominated under India's Top Innovative MSME Category.
- **Government of India - DPIIT:** Innovative Startup Recognition - 2024

These awards reaffirm our dedication to delivering excellence in every aspect of our operations.

# Certifications



Our certifications reflect our unwavering dedication to quality:

- ISO 9001:2015 Certified
- RoHS Compliance
- UL and ETL Certifications
- CE Marking



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## PARTNER WITH US

We invite you to join hands with Channeltech Systems for your connectivity needs.  
Let us be your partner in building a connected future.

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## CHANNELTECH SYSTEMS PRIVATE LIMITED

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 **State-of-the-Art Manufacturing Plant 1 :**  
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Near Sulpad, Vapi, Valsad 396195,  
Gujarat , INDIA