



Netcon Control Cables

**CRAFTING CONNECTIVITY
SHAPING FUTURISTIC SOLUTIONS**

www.netconenterprise.com



ABOUT

NETCON CONTROL CABLES

Netcon Enterprise Private Limited. offers a comprehensive range of high-quality control cables designed to meet the demanding requirements of various industrial applications. Our control cables are engineered for durability, reliability, and performance, ensuring seamless control and communication in your systems. At Netcon Enterprise, quality is our top priority. Our control cables undergo rigorous testing and quality control procedures to ensure they meet the highest standards of performance and reliability. We are committed to providing products that not only meet but exceed customer expectations. Netcon Cable undergoes Quality Certification like ISO 9001:2015 for quality management systems, CE standards for electrical performance and safety & RoHS compliance for environmental safety.



WHY

CHOOSE NETCON CONTROL CABLES?

Innovative Solutions:

We leverage cutting-edge technology and innovative design to deliver superior products that meet the evolving needs of our customers.

Customer-Centric Approach:

Our solutions are tailored to meet your specific requirements, ensuring the best possible outcome for your projects.

Global Standards:

Our products meet global quality and safety standards, ensuring reliability and peace of mind.

Expert Support:

Our expert team is here to support and guide you for successful product implementation and operation.

Application:

Our control cables suit Industrial Automation, Machinery and Equipment Control, Power Stations and Substations, Signal and Data Transmission in Building Management Systems.

Product Features

High Flexibility:

Designed for easy installation and routing in confined spaces, our control cables offer excellent flexibility, allowing for smooth bending and manoeuvring without compromising performance.

Durable Insulation:

Constructed with robust insulation materials that provide resistance to chemicals, oils, and mechanical stress, ensuring long-lasting durability and reliability even in harsh environments.

Excellent Conductivity:

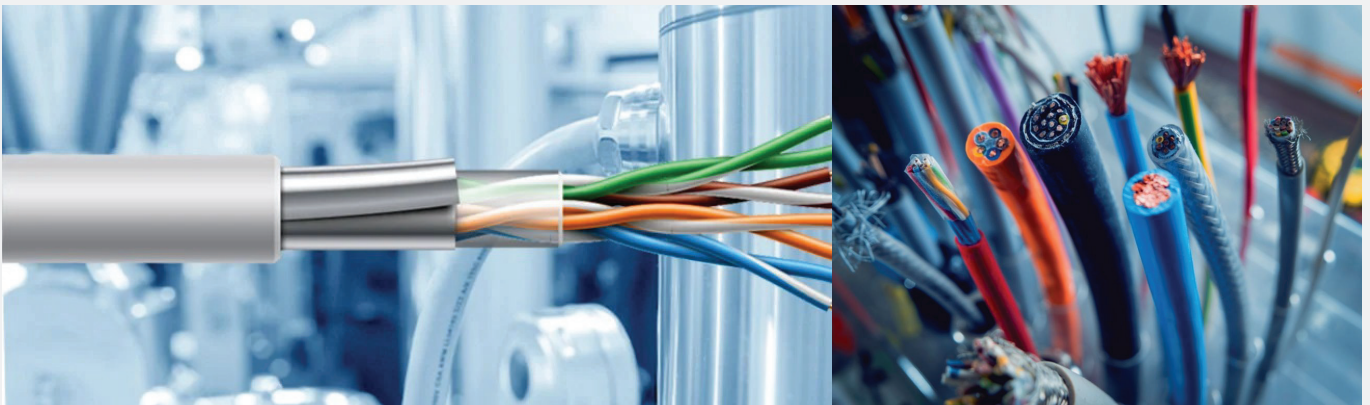
Made with high-purity copper conductors, our control cables ensure superior electrical performance with minimal voltage drop and energy loss.

Temperature Resistant:

Our cables are suitable for a wide range of operating temperatures, making them ideal for both high-temperature and low-temperature applications.

EMI Shielding:

Equipped with effective shielding to protect against electromagnetic



Types of Control Cable



PVC - Economical and flexible, Suitable for general purpose control and signalling applications.

FR PVC - FR PVC jackets are formulated inhibit the spread of fire, offering an extra layer of safety in case of fire incidents.

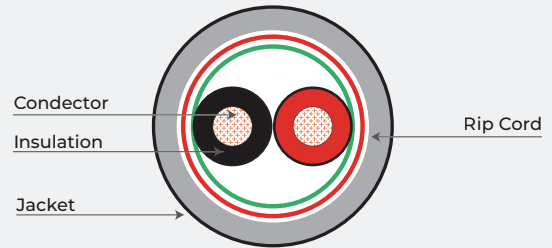
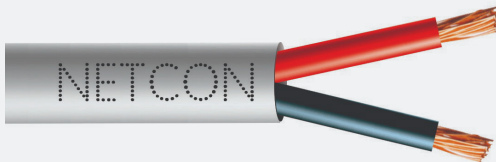
LSZH - Low smoke emission and zero halogen content, reducing toxic gases in case of fire. Enhanced safety in public buildings and confined spaces where fire safety is a priority.

PE - superior resistance to mechanical wear, resistant to moisture, UV-stabilized suitable for outdoor installations.

Unshielded control cable

Applications

- Versatile and used in applications where electromagnetic interference (EMI) protection is not a primary concern.
- Excellent performance in environments with minimal electrical noise.
- Reliable control and communication in numerous settings.
- Key applications: HVAC control, lighting systems, security systems, control panels.



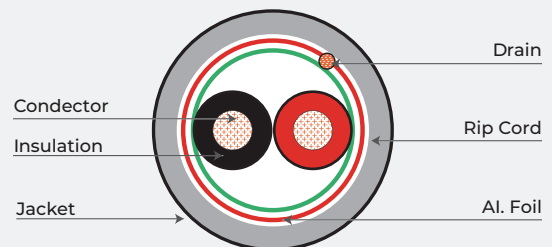
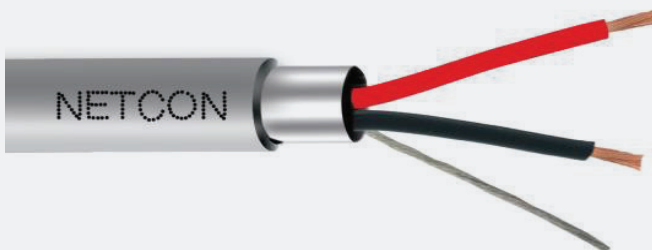
Specifications :

Key Features : Cost-Effective compared to Shielded, Ease of Installation, Suitable for Low-EMI Environments

Shielded Control Cables

Applications

- Essential in environments with high levels of electrical noise or where precise control and communication are required.
- Key applications include in areas like Industrial Automation, Audio and Video Systems, Data Centres and IT Networks, Medical Equipment, Transportation System and Renewable Energy Systems.



Specifications :

Foil Shielded Control Cables

General-purpose signal and data transmission.

Braid Shielded Control Cables

Industrial environments with high levels of electrical noise.

Combination Shielded Control Cables

Sensitive signal transmission in high-interference areas.



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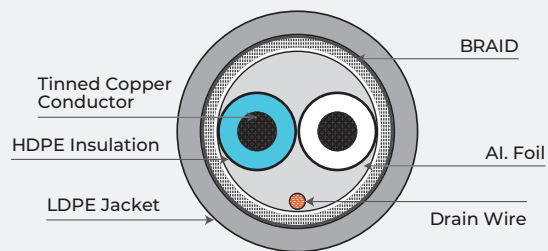
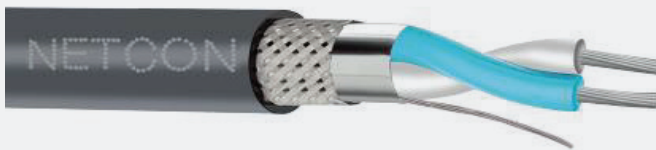
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Tinned Copper Shield & Unshielded Cable

Applications

- Designed to provide superior corrosion resistance and enhanced conductivity.
- These cables are ideal for applications in harsh environments where durability and performance are critical.



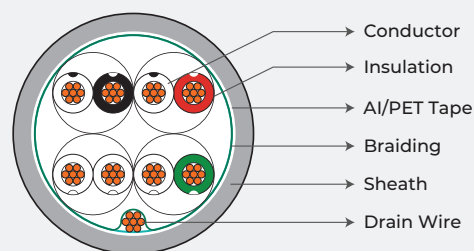
Specifications :

Key Features : Corrosion Resistance
Enhanced Conductivity
Durability
High Temperature Tolerance

RS-485 Control Cables

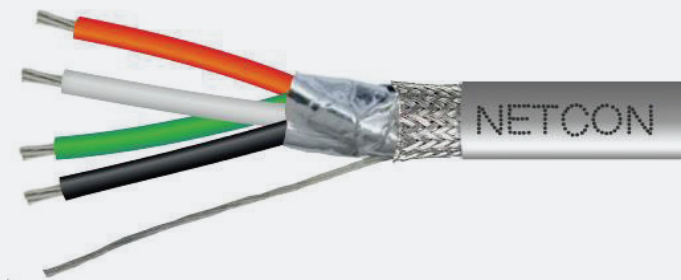
Applications

- Designed to ensure reliable and efficient data transmission in industrial and commercial applications.
- These cables are specifically engineered to meet the demands of RS-485 communication standards, providing robust performance even in challenging environments.
- RS-485 control cables are essential in applications requiring reliable serial communication.
- Key applications area include are Industrial Automation, Building Automation Systems, Energy Management, Security and Surveillance



Specifications :

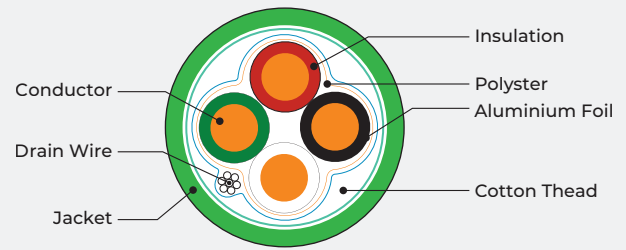
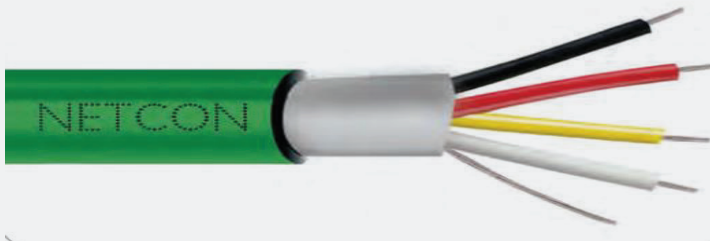
Key Features : High Data Integrity
EMI/RFI Protection
Durability
Low Capacitance
Temperature Resistant



KNX Cable

Applications

- designed for intelligent building control systems.
- These cables are engineered to meet the stringent requirements of the KNX standard
- Ensuring reliable communication and control in smart building applications.
- Essential for modern smart building infrastructure.
- Enabling seamless communication and control of various systems.



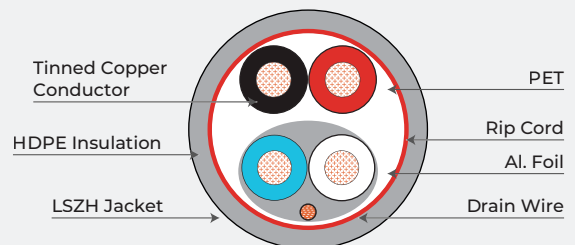
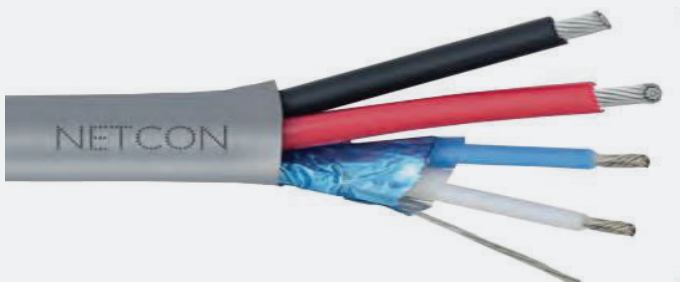
Specifications :

Key Features : Include are Building Automation Systems
Smart Home Systems
Commercial Building Management
Industrial Automation

Hybrid Control Cables

Applications

- Designed to integrate power and data transmission within a single cable.
- These cables are ideal for applications where space-saving, efficiency, and versatility are crucial.
- Ideal for a wide range of applications where combined power and data transmission are required.



Specifications :

Key Features : Integrated Power and Data
High Performance
Durable Construction
EMI/RFI Protection



Category 6 Elevator Cable

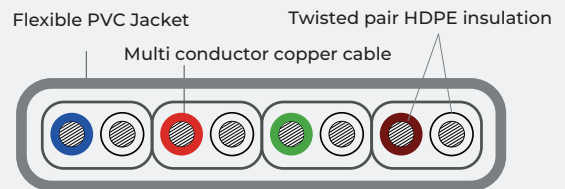
Applications

Elevator Category 6 (Cat6) cables are typically used in high-speed data transmission applications, particularly for elevators that require advanced communication systems for security, monitoring, or automation.

- Data Transmission
- CCTV and Security Systems
- Intercom Systems
- Remote Monitoring and Maintenance
- Smart Elevators

Specifications :

Bandwidth	: Supports up to 250 MHz
Cable Construction	: Solid bare copper (24 / 23 AWG)
Shielding	: Available in both shielded (STP) and unshielded (UTP) versions
Jacket Material	: PVC / LSZH as per requirements
Data Rate	: Can transmit data at speeds up to 10 Gbps



Hybrid Elevator Cable (SM Fiber Cable & Control Cable)

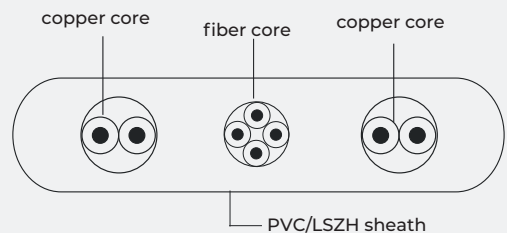
Applications

Elevator cables that combine single-mode (SM) fiber optic cables and control cables are designed to meet the increasing demand for both high-speed data transmission and operational control within modern elevator systems. This type of hybrid cable is used for applications that require both communication (data) and power/control functionalities.

- Reduced Cable Complexity
- Noise and Interference Mitigation
- Enhanced Safety
- Long-Distance Connectivity
- High-rise Buildings
- Smart Elevators

Specifications :

Fiber Cable	:
Fiber Type	: Single-mode (G.652D or G.657A1 standard)
Core/Cladding Diameter	: 9/125 μm (single-mode fiber)
Operating Wavelength	: 1310 nm and 1550 nm (standard single-mode operating wave lengths)
Control Cable	:
Conductor Size	: 0.75 mm ² to 1.5 mm ² (depending on the power and signal requirements)
Number of Cores	: 2 to 4 cores or more, depending on the system's control needs.



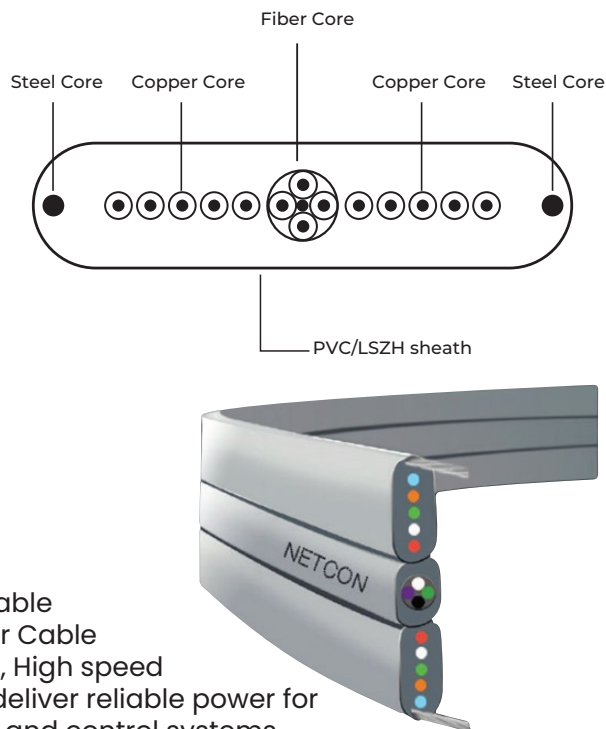
Hybrid Fiberoptic Elevator Cable

Applications

High-Rise Elevators, Modern Smart Elevator Systems, Intelligent Control & Communication, Industrial & Commercial Vertical Transport

Specifications :

Cable Type	: Flat ribbon cable
Fiber Optic Component	: Single-mode, 4-core fiber optic cable
Power Component	: 4-core, 1.5 Sqmm (16 Awg) Copper Cable
Data Transmission	: The single-mode fiber optic cores, High speed
Power Supply	: 1.5 Sqmm (16AWG) copper cores deliver reliable power for elevator lighting, communication, and control systems
Space-Saving Design	: Flat design ensures efficient use of narrow elevator shaft spaces
Durable Construction	: Withstands frequent bending and mechanical stresses

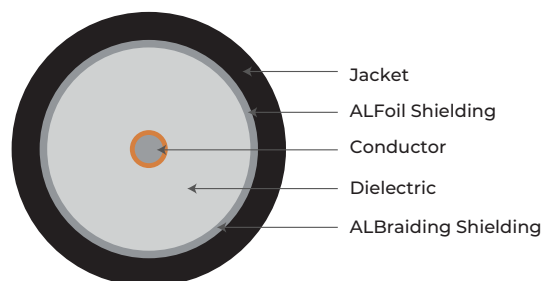


Co- Axial Cable

Applications

Individual Pair Shielded Control Cables are designed to minimize crosstalk and external interference, ensuring reliable signal transmission in control, instrumentation, and communication systems.

- Television & Broadcasting
- Networking, CCTV Surveillance Data
- CATV & SMATV
- Audio-Video & Multimedia
- Industrial & Defence RF/Microwave signal transmission
- GPS signal distribution



Specifications :

Impedance	: 75 Ω
Conductor (Inner)	: 1.02 mm / 1.63mm (solid copper / CCS / CCA depending on model)
Shielding	: Aluminium foil + 77% to 95% aluminium braid
Outer Jacket	: PVC / PE / LSZH
Dielectric (Insulation)	: Foam PE



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Fire Alarm Cable

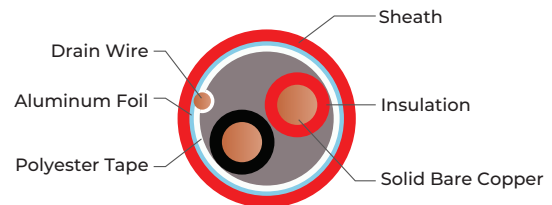
Applications

Netcon Fire Alarm Cables are designed for reliable transmission of signals in fire detection and alarm systems. They ensure continuous operation during emergencies with flame-retardant and low-smoke, zero-halogen properties for maximum safety.



Industrial Automation & Process Control

- Fire Detection & Alarm Systems
- Emergency EVAC & Safety Systems
- Control & Monitoring
- Infrastructure & Building Safety



Specifications :

Conductor	: Solid Bare Copper, Size: 1.0 sqmm, 1.5 sqmm & 2.5 Sqmm
Outer Sheath	: FR (Fire Retardant), FRLS (Fire Retardant Low Smoke), or LSZH (Low Smoke Zero Halogen)
Electrical Properties	: Voltage Rating: 300 / 500 V
Operating Temperature	: -20°C to +70°C
Insulation Resistance	: > 10 MΩ/km
Standards Compliance	: BS 7629-1 / BS 6387, IEC 60331, IEC 61034, IEC 60332



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— Quality Assurance —

At Netcon Enterprise, we are committed to delivering products of the highest quality. Our control cables undergo rigorous testing to ensure they meet international standards and provide reliable performance in all applications.



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