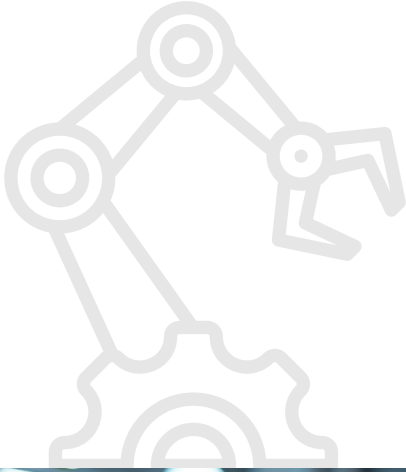
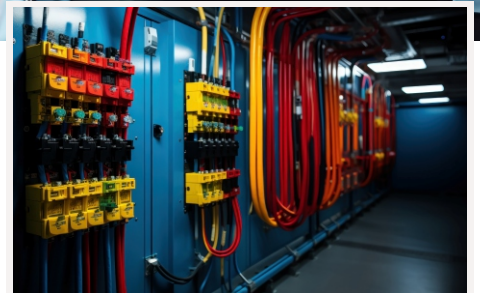
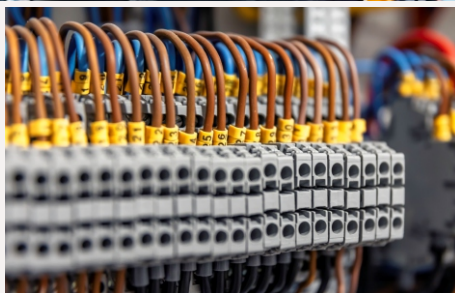
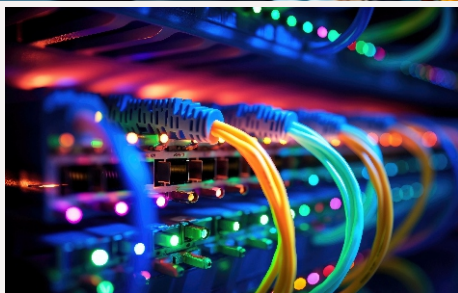


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## Empowering Connectivity Transforming Automation





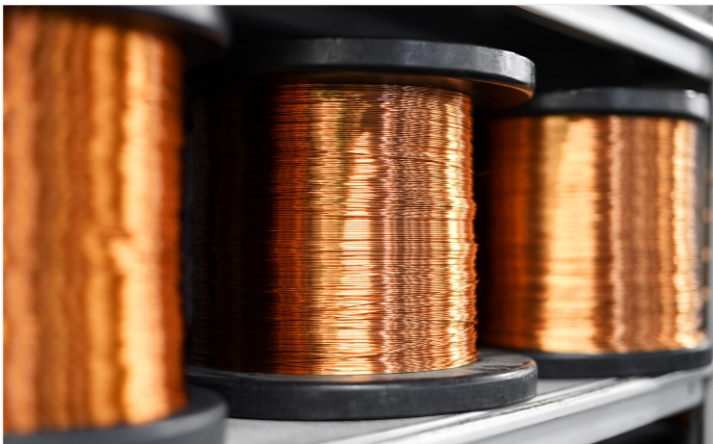


In a world where industrial automation systems are becoming increasingly complex. Advance Cable offers a solution to the challenges faced in designing and interconnecting system components, from sensors to top-level controllers.

Crafted with industry-leading quality and exceptional reliability, our industrial automation cables are engineered to deliver top-notch performance that aligns with the stringent requirements of major automation communication architectures. Whether you are looking for cables that ensure seamless data transmission, robust

connectivity, or enhanced system efficiency, " With over 25 years in the cable industry, we bring extensive experience and expertise to meet your industrial needs".

From high-speed data transmission to secure connectivity, our industrial automation cables are engineered to deliver superior performance in diverse industrial environments. Trust in our expertise and experience to provide you with the perfect cabling solutions that enable you to achieve seamless integration and exceptional reliability in your industrial automation systems.



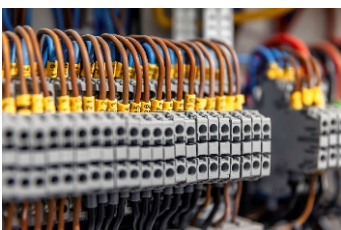
## Types of Cables used in Industrial Automation



**Industrial Ethernet / Data Cables / Lan Cables:** Used for high-speed data transmission in industrial networks. Ensures reliable communication between devices in automated systems.



**Power Cables:** Provides electrical power to various industrial automation equipment. Different types available based on voltage and current requirements.



**Control Cables:** Used to connect control devices such as sensors, switches, and actuators to controllers. Essential for the efficient operation of automated systems.

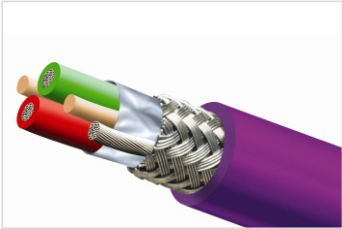




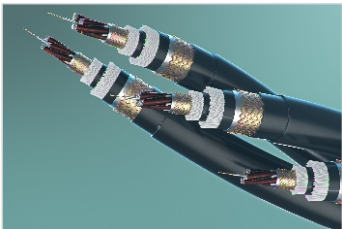
**Fiber Optic Cables:** Ideal for long-distance communication and high-speed data transfer. Immune to electromagnetic interference, making them suitable for industrial environments.



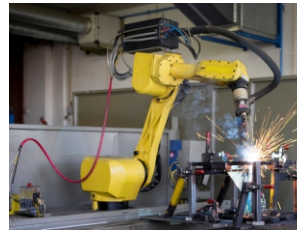
**Industrial Twinax cables:** Are crucial in industrial automation for their ability to transmit highspeed data reliably over short distances, typically used in applications like control systems and sensors. They are known for their robust construction, providing resistance to electromagnetic interference (EMI) and ensuring stable communication in noisy industrial environments.



**Field bus & Profibus Cables:** Ensures seamless communication between devices in complex automation systems.



**Shielded Cables:** - Protects data signals from external interference, ensuring data integrity. Commonly used in industrial environments with high levels of electrical noise.



**Robotic Cables:** Designed to withstand the repeated flexing and movement of robotic arms, these cables are highly flexible and durable to ensure long-term performance in dynamic environments. They typically feature robust insulation and shielding to protect against mechanical wear and electromagnetic interference.



**Drive Cables (Servo/Feedback/Hybrid):** To transmit power and signals between motors and drives, ensuring efficient operation of machinery. These cables are engineered for durability, features such as electromagnetic compatibility and resistance to harsh industrial environments, ensuring reliable performance in demanding applications.



**Encoder Cables:** These cables are crucial for transmitting data from encoders, which measure the position, speed, and direction of machinery. They are engineered for high precision and reliability, often including shielding to prevent signal degradation in industrial settings.



**RS-485 Communication Cable:** Bringing proven data transmission protocol to the factory floor, they reduce electrical noise sensitivity to keep reliability and performance at world-class levels.



**Coiled Cables:** Ideal for applications where flexibility and space-saving are needed, coiled cables stretch and retract to accommodate movement and maintain a tidy workspace. They are commonly used in environments where equipment needs to move while maintaining electrical connections.





## Technical Details

<b>Control Cables</b>	Voltage Rating : Up to 1.1kV Conductor : Copper stranded Insulation / Sheath : PVC, XLPE, LSZH or Custom cable designs
<b>Industrial Ethernet / Data Cables / Lan Cables</b>	Data Rate : 10/100/1000 Mbps Cable Type : CAT5e, CAT6 i.e :- UTP, FTP, STP, SFTP or Custom cable designs Insulation / Sheath : PE, PVC, FR-LSZH or Custom cable designs
<b>Power Cables</b>	Voltage Rating : Up to 1.1kV Conductor Material : Copper or Aluminum Insulation / Sheath : PVC, XLPE, LSZH or Custom cable designs
<b>Sensor/Actuator Cables</b>	Number of Cores : 2 to 12 or as per Customer Requirement Flexibility : Continuous flex or static Insulation / Sheath : PVC, PUR, LSZH or Custom cable designs
<b>Motor Cables</b>	Voltage Rating : Up to 1.1kV Armouring : Steel Insulation / Sheath : Cross-linked polyethylene (XLPE), LSZH or Custom cable designs
<b>Drive Cables</b>	Voltage Rating : Up to 1.1kV Conductor : Copper, stranded Shielding : Overall and individual pair Insulation / Sheath : Cross-linked polyethylene (XLPE), LSZH or Custom cable designs
<b>PROFIBUS Cables</b>	Voltage Rating : Up to 1.1kV Conductor : Copper, stranded Shielding : Overall and individual pair Insulation / Sheath : PVC or PUR, LSZH or Custom cable designs
<b>RS 485 Communication Cables</b>	Voltage Rating : Up to 1.1kV Conductor : Copper, stranded Cable type : STP or UTP Insulation / Sheath : PVC, PE, FEP, XLPE. LSZH or Custom cable designs

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### MANUFACTURING FACILITIES

#### Unit - 1

Plot No. 10 & 14,  
KIADB Industrial Area,  
Bashettihalli,  
Doddaballapur Industrial Area,  
Bangalore - 561203

#### Unit - 2

Plot No. 20 P2, SY No. 79(P)  
Veerapura Village,  
Doddaballapur Industrial Area,  
Bangalore - 561203

#### Unit - 3

SW 32 & 33 (P1), A - P II Phase,  
Kasaba Hobli  
Doddaballapur Industrial Area,  
Bangalore - 561203