



CABLES AND CONNECTORS  
FOR SMART INDUSTRIAL SITES

**AXINDUS**  
IndustrialCablingSolutions

# A SOLUTION FOR EVERY APPLICATION

## **AXINDUS** IndustrialCablingSolutions

Axindus, a brand of CAE GROUPE, develops cabling solutions for all industrial applications. Our company also offers specialized cables to meet technical, practical and financial constraints.

### **Processes & Automation**

- Field bus cables
- Control and command cables
- Multinorm UL/CSA wires and cables



### **Industry 4.0**

- Industrial Ethernet and BUS systems
- Waterproof connectors
- Cords



### **Agri-food industry**

- Power cables
- Control and command cables



### **Lifting & handling**

- Power cables such as NSHOÜ/ VVH6-F/TROMMELFLEX
- High mechanical & physical constraints (polyurethane/ rubber sheath)



### **Infrastructures & Nuclear**

- High level RCP cables
- LSZH cables
- High mechanical & physical constraints (outdoor installations or confined areas)



### **Marine**

- Power cables, transmission, signals and control cables
- Wiring cables
- Waterproof connectors



### **Water treatment**

- Power cables
- Instrumentation and RE2-X cables for signal transmission
- BUS cables



### **Petrochemicals**

- Power cables
- Instrumentation cables resistant to aliphatic hydrocarbons : NF M87-202, ...



# MORE THAN 30 YEARS OF EXPERIENCE IN THE LOW VOLTAGE INDUSTRY

## QUALITY, STANDARDS AND CERTIFICATIONS

CAE GROUPE, the mother company -- an ISO 9001:2015 certified company -- is attentive to its customers' needs while continually improving its products to offer optimal quality.



Our company also ensures constant quality control by submitting its solutions to undergo certifications through independent laboratories such as:



## FACTORIES: AT THE HEART OF PRODUCTION

Manufacturing poles are composed of specialized factories, some with over 50 years of experience, in various fields related to industry and construction.



## SATISFIED CUSTOMERS



## THE GROUP'S INTERNATIONAL DIMENSION



### AN ORGANIZATION DEDICATED TO INTERNATIONAL CLIENTS

Our export department is composed of multicultural and multilingual teams -- a Sales Area Manager and an Inside-sales representative -- that are each dedicated to specific geographical zones. Those privileged interlocutors have specific competencies that allow them to master international trade and the various cultures that pertain to their geographical area. Technical and market development support are also made available to our clients. For project-mode businesses, CAE GROUPE also has experience working with this businesses modular with renowned end customers.

### LOGISTICAL ORGANIZATION AND FACTORIES

A team is dedicated to logistics worldwide and is trained to meet international carriers' requirements. Containers are prepared and optimized by this specialized team. Moreover, privileged interlocutor owns specific competencies and knowledge for each geographical area and masters customs regulations. Shipments are made according to Incoterms and clients' choices from our warehouse. Departures can be made directly from our factories and we have relays in countries where CAE GROUPE has subsidiaries or local partners.

Our warehouse is a site fully automated thanks to powerful industrial tools which allows total traceability. In case of programmed orders, we are able to create personalized stocks within our hubs thanks to dedicated storage areas.



### QUALITY AND CONTROL

In order to ensure the quality of our products, we made a dimensional analyze of our cable and an electrical test with a network analyzer to guarantee the best performance.

The quality control is made before the shipment and also in our warehouse after the reception.

### INNOVATION

Innovation is based on research and development. CAE GROUPE combines its experiences and expertise to design unique and technically advanced solutions, in order to support customers' developments worldwide. CAE GROUPE ensures leading edge technology solutions and a high-quality service.

The customized cable is a specific and dedicated solution, conceived to answer to technical or financial specific constraints.



# INDUSTRY 4.0 SOLUTIONS

TODAY'S SOCIETY IS IN THE MIDST OF A DIGITAL SHIFT, AND THE INDUSTRIAL SECTOR IS INSPIRED BY IT

Industry 4.0 is based on the networking of factories as a whole.

It was born out of the convergence of building information technologies and the efficiency of production in industry.

There is a harmonization between service and industrial networks – offices are connected to machines which in turn are connected to each other. The industrial automation process thus becomes ingenious and works in complete autonomy.

In order to better meet our clients' needs on this market, our production workshop takes care of all your tailor-made copper cords to suit the specific needs and constraints of your facilities: environmental, chemical and mechanical.

## THE SPECIFICITIES OF ETHERNET CABLES IN INDUSTRIAL ENVIRONMENTS

**Extruded sheath**

**Resistant to industrial temperature range (-40°C to +80°C)**

**Thick sheath**

**Resistance to sunlight, UV, oils, ozone, mold, and welding splatter**

IP68 plugs, coupler, connectors  
RJ45 solutions

*I4CAPPLUG*



*I4PLST6AFSIP68*

IP68 USB solutions



*I4USB3IP68*

Optical fiber solutions



*I4FOJARLCIP68*

Industrial LAN cables



*SF600P4PUR*

Shielded field plug Cat 6A  
& Profinet with locking nut



*I4PLEC6AFS*

Standard/IP68 patch cord



*on demand*





# HARSH AND SENSITIVE ENVIRONMENTS SOLUTIONS

Some industries require devices able to operate in extreme conditions, while also ensuring the protection of staff, population, infrastructures, and environment, for now and tomorrow.

Cabling systems on sensitive sites or risk infrastructures require high degree of protection and of optimal performance.

Notions of burning behavior are the result of tests meeting special constraints in order to be consistent with specifications of different infrastructures.

Quality and excellent characteristics of burning behavior of our products (certified C1, Cca or B2ca) allow to CAE GROUPE to play a major role in the building industry, maintenance, and improvement of electrical installations on sensitive sites.

## THE SPECIFICITIES OF CABLES IN HARSH AND SENSITIVE ENVIRONMENTS

Halogen free

Fire classification according to NF C32-070/C1 - IEC 60332-3

RPC standard Cca s1,d1,a1



K-FLEX  
for power supply 1000V



KF2500PwGxSHC

K-FLEX  
for control-command 500V



KF3500nGxSHC

K-DATA  
for data transmission 500V



KFDCnXxSHC

MN2XTREM  
1000V wiring cable



MN2XTxccc



# LCAE DATA TRANSMISSION & LOW CAPACITANCE CABLES

Used for LonWorks level IV, serial link RS232 / RS422 / RS485, instrumentation according to chosen style. Different versions of sheath are possible PVC-UL/ CSA: LSZH

## BUS cables



B9842NH



B7703NH



B8760NH



# INSTRUMENTATION CABLES

CAEINSTRUM instrumentation cables are used for analog signal transmission to take measurements chemical, petrochemical and paper industries. They are aliphatic hydrocarbons resistant according to NF M87-202 norm and exist the general shielding version, also in unarmoured or armoured by steel tape blue or grey outer sheath.

RE-2X type instrumentation cables, according to EN 50288-7, are used for similar applications. They have the advantage to have XLPE insulation, allowing a temperature on core of 90°C and exist with different features, general shielding or by pair, armoured, black or blue for intrinsic safety outer sheath.

## Instrumentation cables



nnlQxxEGSFG



nnlPxxEIFA

## RE-2X cables



on demand

## EXPORT DEPARTMENT

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