

axon'
cable & interconnect

axon'

**EXPERT IN
CABLES AND
INTERCONNECT
SOLUTIONS**





Axon' Cable is a world leader in specialist interconnect systems. The company excels in the design and manufacture of wires, cables, terminated harnesses, connectors and integrated systems for high technology applications including aeronautics, military, space, oil and gas exploration, medical electronics, research centres, automotive and consumer electronics.

EXPERT IN CABLING ENGINEERING

How to interconnect electronic devices provided by different suppliers in one system? As an expert in cabling engineering, Axon' Cable is able to design the whole cabling network. Axon' engineers assist customers with the most appropriate tools including simulation software (INVENTOR, CATIA, SEE ELECTRICAL HARNESS) and co-design in all the development stages : idea, concept, prototypes, industrialisation, volume ramp-up and mass production. Axon' will bring you cost-effective solutions based on Lean Engineering and Lean Manufacturing principles.

CONCENTRATED BRAINPOWER

Innovation is at the forefront of the Axon' Group which invests 10 % of its annual turnover into Research & Development. Electromagnetic compatibility (EMC), RF, high data rates, extreme miniaturisation, flex-life, hermeticity, magneticity, radiation, weight saving and bio-compatibility are just a few examples of the many challenging requirements Axon' can meet.

A dedicated team in process engineering and machine design continuously improves the reliability of the manufacturing process and ability to adapt to market requirements.

AERONAUTICS



APPLICATIONS ▾

On-board electronic devices in civil and military aircraft, helicopters, unmanned aerial vehicles (UAV).

CHALLENGES > Weight and space saving, miniaturisation, extreme temperatures, reliability, mechanical resistance, high frequency, high data rates.

- Rugged cable assemblies and harnesses
- Rectangular and circular miniature connectors : Micro-D, Nano-D
- Lightweight and flexible wires and cables
- Microwave coaxial cables
- High data rate interconnects : Fibre Channel, Ethernet, IEEE1394.

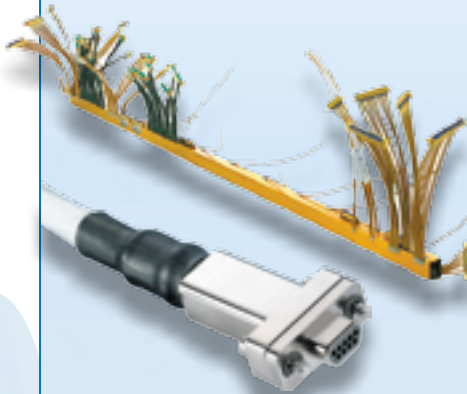


SPACE



APPLICATIONS ▾

Axon' Cable has a wealth of proven flight heritage in interconnect solutions for space applications including launchers, LEO, MEO and GEO satellites, thrusters, rovers, International Space Station equipment and ground testing.



CHALLENGES > Weight saving, resistance to radiation, high frequency and extreme temperatures.

- Aluminium and ESA approved wires for the cabling of satellites
- High temperature electric propulsion wires for thrusters
- Aluminium bus bars for power distribution
- Microwave / RF cables
- Harnesses and connector savers
- SpaceWire links
- Micro-D connectors (ESCC3401/029 EPPL2).

MILITARY

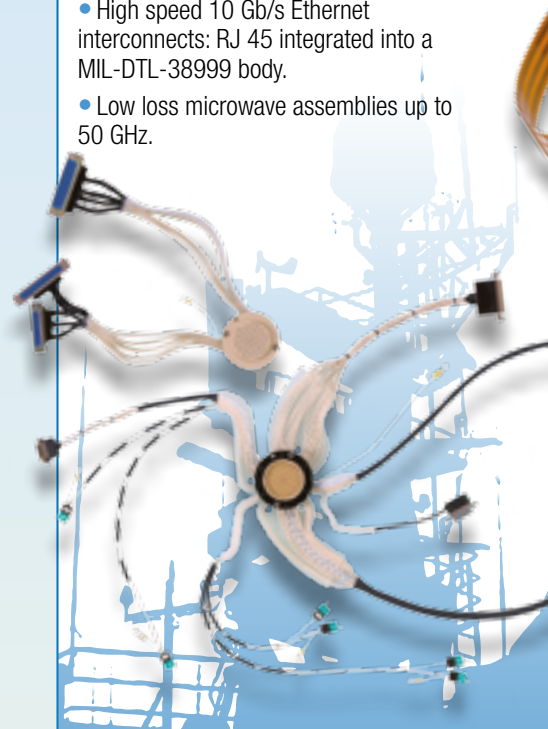


APPLICATIONS ▾

Radars, antennae, navigation and communication systems, missiles, counter measures, radio and audio communication systems, naval systems, soldier systems.

CHALLENGES > Severe environment, electromagnetic protection, reliable signal transmission, secure data communication, weight and space saving, high pressure, flex-life, waterproofness.

- Equipment wires including halogen free wires
- Coaxial cables
- Rugged rectangular and circular micro-D connectors and cable assemblies
- Rugged multi-branched harnesses
- High speed 10 Gb/s Ethernet interconnects: RJ 45 integrated into a MIL-DTL-38999 body.
- Low loss microwave assemblies up to 50 GHz.



ENERGY AND OFF-SHORE

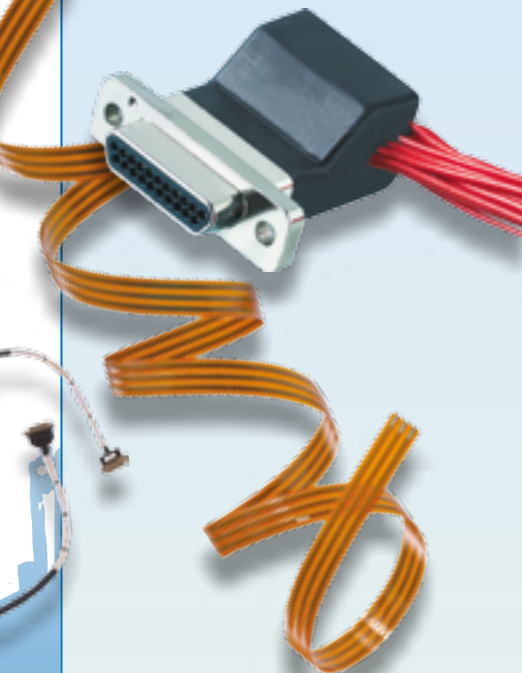


APPLICATIONS ▾

Oil and gas exploration, down hole applications, renewable energy (solar panels), nuclear power, batteries.

CHALLENGES > High temperature, radiation, flexibility, power distribution, hermeticity, miniaturisation, pressure and vibration.

- Composite cables : hybrid, spiral, flat or round interconnects
- Radiation resistant wires and cables
- Flexible power cables
- Diverse overmoulded cable assemblies and harnesses
- Flat cables
- Rectangular and circular micro-D connectors.



AUTOMOTIVE



APPLICATIONS ▾

Advanced driver assistance systems, airbag systems (Switch Rotary Connectors), sensors, infotainment systems, cruise control, car radio, GPS systems and displays.



CHALLENGES > Weight and space saving, electromagnetic protection, high temperature, resistance to fluids.

- Wires and composite cables
- Flexible power cables
- Flat Flexible Cables (FFC) and FFC assemblies
- Precision stamped, formed and overmoulded componentry and mechatronics.

CONSUMER ELECTRONICS

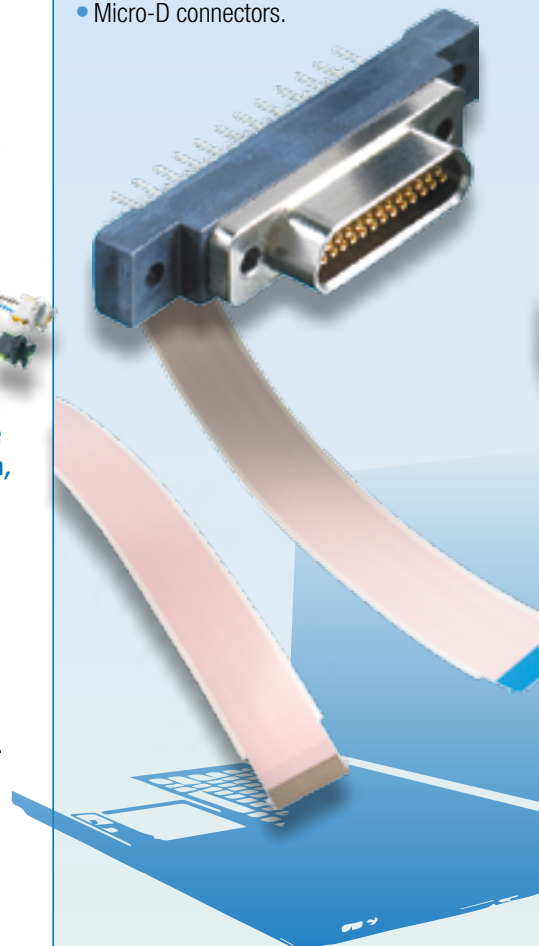


APPLICATIONS ▾

Notebooks, CD or DVD players, HD displays, printers, household appliances, sensors, printed circuit boards.

CHALLENGES > Miniaturisation, space saving, electromagnetic protection

- Flat Flexible Cables (FFC)
- Equipment wires
- Miniature Coaxial cables
- Composite cables
- Micro-D connectors.



INDUSTRY

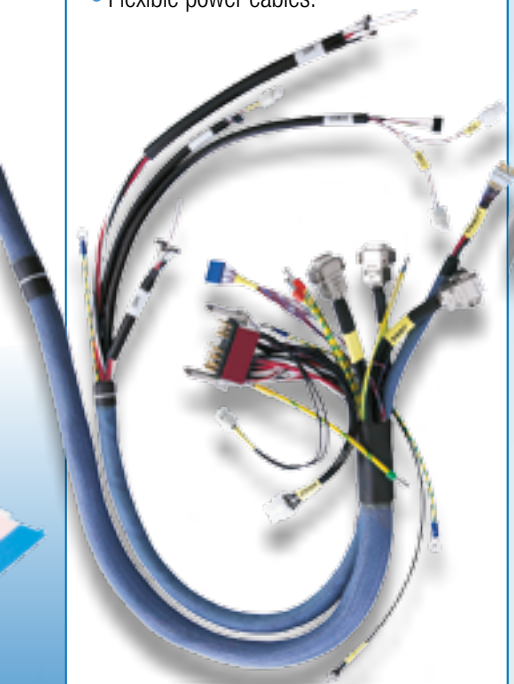


APPLICATIONS ▾

Automation and robotic systems, iron and steel industries.

CHALLENGES > Resistance to extreme temperatures and chemical products, flexibility, flex-life, space saving.

- Equipment wires
- Hybrid flat or round cables
- Custom designed composite cables
- Harnesses connected with different types of contacts and connectors
- Flat Flexible Cables for dynamic applications
- Flexible power cables.

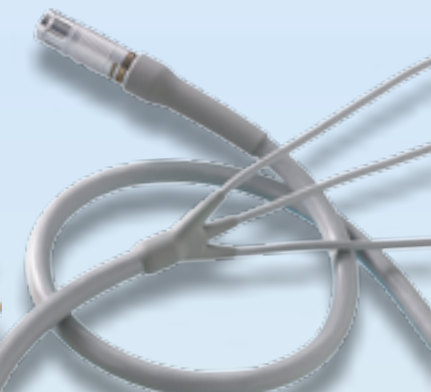


MEDICAL



APPLICATIONS ▾

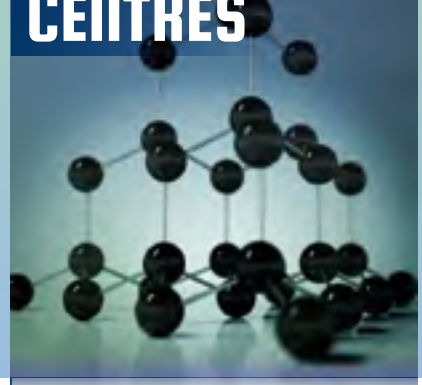
Medical devices, micro-catheters, external systems for medical implants, monitoring, patient diagnostics, dental equipment, endoscopy, medical imaging, medical displays, X-ray and Imaging (MRI), ultrasound probes, biological analysis devices, diagnostic devices, heart sensors.



CHALLENGES > Bio-compatibility, sterilisation, antibacterial properties, miniaturisation, electromagnetic protection, reliable signal transmission.

- Sterilisable cable and cable assemblies
- Miniature wires and cables
- Miniature coaxial cables
- Flat Flexible Cables
- Circular and rectangular Micro-D connectors.

RESEARCH CENTRES



APPLICATIONS ▾

Particle accelerators, colliders, synchrotrons, general scientific research.

CHALLENGES > Extreme temperatures, radiation, vacuum applications, electromagnetic protection, signal transmission, vibration and acceleration, hermeticity, non magnetic applications.

- Radiation resistant wires and cables
- Coaxial cables including low noise versions
- Micro-D connectors including hermetic and non magnetic versions.
- Custom designed composite cables.



GLOBAL SALES, ENGINEERING & MANUFACTURING FOOTPRINT ACROSS 3 CONTINENTS

EUROPE

- Sales & Design in France, UK, Germany, Spain, Hungary & Latvia
- Production Development centres in France and UK
- Volume production in France, Latvia and Hungary
- R&D in France

AMERICAS

- Sales, Design, Production in Chicago
- Volume Production in Mexico
- Sales & Design in Brazil

ASIA

- Sales, Design & Production centres in China and India
- Sales & Design in Japan

BRAZIL

AXON' CABLE IND. E COM. LTDA.
Av. Afonso Arinos de Melo Franco,
222 sala 276 bloco2B
Barra da Tijuca - CEP : 22631-455
RIO DE JANEIRO - RJ
TEL: +55 21 3596-8002
l.moreira@axon-cable.com

CHINA

AXON' INTERCONNECT LIMITED
HIGH TECH INDUSTRIAL PARK,
CHANG BAO XI ROAD
RONGGUI, 528306
SHUNDE, GUANGDONG
TEL: +86 757 2838 7200
FAX: +86 757 2838 7212
sales@axon-interconnect.com

GERMANY

AXON' KABEL GmbH
POSTFACH 1131
71201 LEONBERG
HERTICHSTR. 43
71229 LEONBERG
TEL: +49 7152 97992-0
FAX: +49 7152 97992-7
sales@axon-cable.de

HUNGARY

AXON' KÁBELGYÁRTÓ KFT.
KECSKEMÉT H-6000,
WÉBER EDE U. 10/A
TEL: +36 76 508 195
FAX: +36 76 508 196
axon@axon-cable.hu

INDIA

**AXON' INTERCONNECTORS
AND WIRES PVT LTD**
#117, Neil Rao Towers
Suite No. 1W, Road No. 3
EPIP, Whitefield
BANGALORE 560066
TEL: +91 804 091 8186
FAX: +91 804 091 8185
sales@axon-cable.in

JAPAN

AXON' CABLE JAPAN OFFICE
TEL/FAX: +81 26 244 2261
axon-japan@nifty.com

LATVIA

AXON' CABLE SIA
VIŠKU IELA, 21C
DAUGAVPILS - LV-5410
TEL: +371 6540 78 91
FAX: +371 6540 78 93
axon@axoncable.lv

MEXICO

AXON' INTERCONEX, S.A. DE C.V
Av. Peñuelas 21-A1.
Industrial San Pedrito Peñuelas
Querétaro Park
76148 QUERÉTARO, QRO.
TEL: +52 442 215 2713
FAX: +52 442 220 6464
b.aguilar@axoncable.com

SPAIN

AXON' CABLE SPANISH OFFICE
C/CAPITÁN HAYA, N° 1,
PLANTA 15
28020 MADRID
TEL: +34 91 418 43 46
FAX: +34 91 556 28 80
sales@axon-cable.com

UNITED KINGDOM

AXON' CABLE Ltd
Axon' Agora
Admiralty Park - ROSYTH
DUNFERMLINE - FIFE
KY11 2YW
TEL: +44 1383 421500
FAX: +44 8715 282789
sales@axon-cable.co.uk

USA

AXON' CABLE INC.
1314 N PLUM GROVE ROAD
SCHAUMBURG, IL. 60173
TEL: +1 847 230 7800
FAX: +1 847 230 7849
sales@axoncable.com

HEADQUARTERS / FRANCE

AXON' CABLE SAS
2 RTE DE CHALONS EN CHAMPAGNE
51210 MONTMIRAIL
TEL: +33 3 26 81 70 00
FAX: +33 3 26 81 28 83
sales@axon-cable.com

VISIT OUR WEBSITE

www.axon-cable.com



AXON' AGENT