CUSTOM FLAT INTERCONNECT SOLUTIONS

for SPACE applications

www.axon-cable.com
Custom Flat interconnect solutions

By combining multiple areas of expertise, Axon’ Cable is able to study and develop flat interconnects for space applications. Axon’s success for 50 years can be explained by its capacity to design and manufacture innovative links and electrical interconnects for severe environments. Axon’ faces many technological challenges for various applications including automotive, avionics, defence, space, medical, industry, scientific research and oil exploration.

The range of products and services offered by the company is extensive: equipment wires, round or composite cables, flat flexible cables, cable assemblies, mini-systems, miniature connectors. The company’s extensive production capabilities cater to both small and large volumes.

Cables make the link

- High precision conductors: expertise in silver plating, tin plating, drawing and assembling.
- In-house plating production lines for conductors: silver plated copper, tin plated copper, silver plated aluminum and special copper alloys.
- Manufacturing of flat or round conductors.
- High performance insulating materials (FEP, ETFE, PFA), PEEK, Polyimide, Polyester film.
- Radiation resistant materials.
- High temperature resistant jackets.

Minicable connectors

- Micro-D connectors for on-board electronics in space (ESCC3401/029 EPFL2 and other versions).
- Manufacture of Twist Pin contacts for Micro-D connectors.
- In-house plating production lines for connectors.
- Axon’ innovative connectors for Flat Flexible Cables.

Cable assemblies: ready to plug interconnect

- Highly skilled operators.
- Expertise in wiring systems and cabling assemblies terminated with any kind of connectors.
- Expertise in overmoulding techniques.
- Accessories to facilitate shield grounding.

Co-engineering

With extensive experience in both flat cable and space requirements, Axon’ can work with customers to develop custom flat interconnect solutions for specific applications including:

- Solar panel connection
- Spacecraft cabling
- Power distribution
- Internal cabling
- High data rate transmission