

## AXON' PRESENTS ITS EXPERTISE IN CONNECTORS AND INTERCONNECT LINKS FOR EXTREME ENVIRONMENTS

Complex and extreme! These two adjectives, which form the theme of our stand at Electronica, perfectly illustrate Axon' Cable's expertise and ability to offer interconnect links and connectors for the harshest environments, from industrial to automotive, research and space applications. Visit us on **stand 439, hall B2** at Electronica from **November 12 to 15** in Munich.

### COMPLEX...SEVERAL ELEMENTS

The definition of "complex" is: "containing several different parts or elements". And several elements are precisely what we find in the connectors, cables and electrical links designed by Axon' Cable. By way of example, connectors designed for the automotive industry are made up of various plastic and metal components which, when combined, form a complex whole resulting from different technologies mastered by the group, such as assembly and molding. All adapted to a harsh environment such as the vehicle's engine compartment.

Another complex example is the integration of sensors on flexible flat cables, or the assembly of stamped and formed metal circuits onto which electronic components are soldered or fixed to obtain leadframes.

Combining mechanical, electrical and optical components to form a mini-system, such as a twist capsule integrated into the electro-optical ball of UAVs, is a complex skill that the Group masters perfectly thanks to the vertical integration of its know-how.



### EXTREME... SEVERE ENVIRONMENTS

The adjective "extreme" defines "that which is at the furthest point in space or time" or "that which exceeds limits". Designing cables or cords that go beyond limits is exactly what the Axon' group does. How? By designing cables that are not only resistant to radiation, but also flexible. This is precisely the challenge: to meet a combination of sometimes contradictory requirements. For example, the Flexorad® RF cables designed by Axon' stand out from the competition for their ability to withstand extreme temperatures (from 4 k to 150°C) and radiation, while remaining extremely flexible.

Space is known to be one of the harshest environments. The extraterrestrial threat is real, especially for satellites and the International Space Station. These include radiation, ultraviolet radiation, orbital debris and atomic oxygen (ATOX) in low-Earth orbit. The technical challenge is to design electrical connections capable of withstanding these attacks. Radatox® is an insulating material developed by Axon' Cable to meet all these requirements.

In short, from complex to extreme, Axon' engineers will find the solution to your needs, whatever the application.



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