



260°C

Micro-D connectors



WITHSTANDS OVER
2200 HOURS

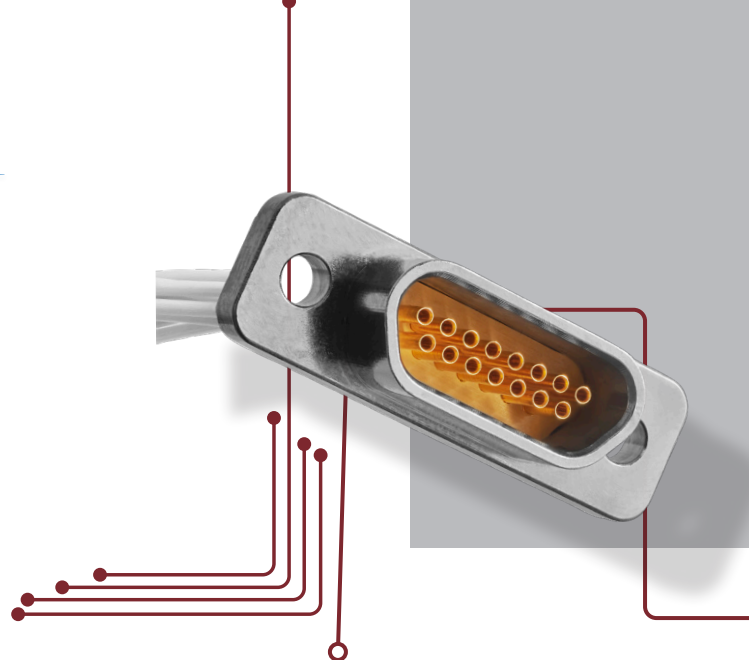
Expert in Micro-D connectors

Standard Micro-D connectors are typically rated to +125°C. But with electronic devices in many industries frequently being exposed to ever increasing temperatures, Axon' has achieved a technological breakthrough: a genuine range of Micro-D connectors withstanding temperatures as high as 260°C, and fully in accordance with the demanding MIL-DTL-83513 Micro-D standard.

At 260°C Axon's High Temperature Micro-D easily outlasts any comparable connector on the market. By its very design, the Micro-D connector system meets a wide range of challenging requirements: robustness, durability, low contact resistance, high current, dielectric strength, and high levels of vibration and shock. And with 1.27 mm (0.050") contact spacing, the Micro-D connector, half the pitch of D-Sub connectors represents an excellent weight saving solution.

About Axon' Cable

Headquartered in the beautiful Champagne region of France, Axon' is a worldwide leader in specialist interconnects. The company excels in the design and manufacture of wires, cables, terminated harnesses and interconnects solutions for high technology applications.



HIGH PERFORMANCE MATERIALS

This groundbreaking 260°C Micro-D is dimensionally identical to a standard Micro-D and achieves all the same performances in terms of mechanical resistance and electrical insulation.

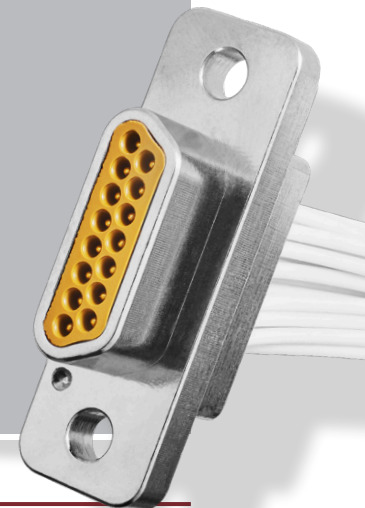
Axon's proprietary 260°C Micro-D resin makes it possible for the connector to withstand 2200 hours with no degradation in electrical or mechanical performance. The all-important Twist pin contacts have been specifically re-engineered to provide fast and reliable mating and de-mating in the harshest of environments.

Axon's 260°C Micro-D connectors are also compatible with the D-Click fast-latching system allowing the customer to integrate this new Micro-D technology with no tools in space-constrained systems where access to the connector is difficult.

APPLICATIONS

- ▶ OIL & GAS
- ▶ SCIENTIFIC RESEARCH
- ▶ AERONAUTICS
- ▶ SPACE
- ▶ ANY OTHER APPLICATION REQUIRING HIGH TEMPERATURES

260°C Micro-D Connectors



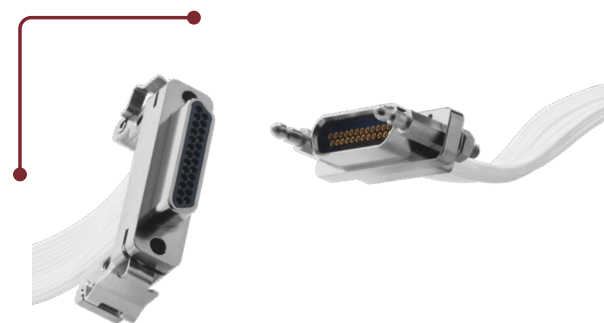
TECHNICAL CHARACTERISTICS

- Continuous operating temperatures up to 260°C for more than 2200H
- Nickel plated aluminum, stainless steel or Titanium Shells
- High performance composite insert
- Nickel plated copper conductor insulated with high temperature jacket (PTFE, PEEK, PFA, etc)
- Special alloy for high temperature resisting contacts
- Unique proprietary resin with excellent properties, capable of maintaining electrical performances for more than 2200 hours at 260°C.
- Available in all standard pin counts from 9 to 100 ways.

COMPETITIVE ADVANTAGES

- Meets the MIL-DTL-83513 requirements
- Elastic behavior of Twist Pin contact maintained during and after ageing in mated position: stable contact resistance and retention
- Excellent durability
- Insulation resistance > 5 GOhms at 260°C
- Custom designed connectors & cable assemblies
- Optional D-Click fast-latching system for fast integration
- Space saving wiring solutions
- Compatible with our entire range of Micro-D signal connectors

D-CLICK CONNECTORS



- Axon' has enlarged its range of highly reliable Micro-D connectors by developing D-Click fast latching connectors
- Equipped with an easy-to-use mating and latching system, this technology enables a much faster installation during harness integration.
- Requiring no tooling for integration, D-Click Micro-Ds are fully compatible with existing PCB layouts
- D-Click connectors are available from 9 to 37 ways

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