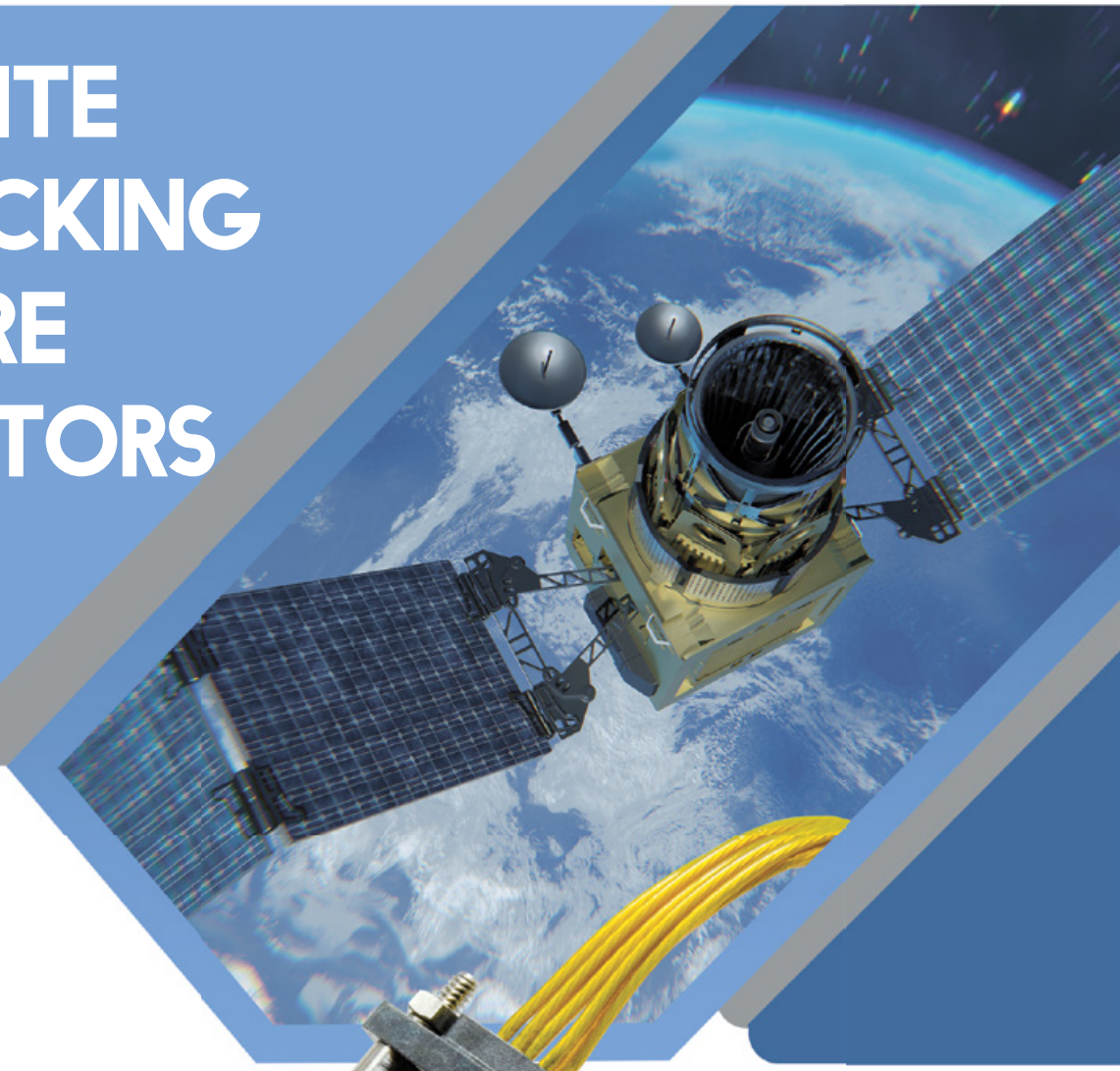
axon' cables & connectors

COMPOSITE FAST-LOCKING MINIATURE CONNECTORS





D-CLICKLITE® FAST-LOCKING MICRO-D CONNECTORS

Click and connect, save space and time! This is what the **D-ClickLite® micro-D** based connector range enables to do without any tooling.

In addition to the D-Click® Micro-D based metal range, Axon' has developed D-ClickLite® fast-locking composite connectors for any application which requires fast integration combined with micro-D performance and weight saving.

D-ClickLite® composite fast-locking connectors are a cost-effective solution based on our **Twist Pin technology**. They allow for quick and secure mating/demating.

TECHNICAL CHARACTERISTICS

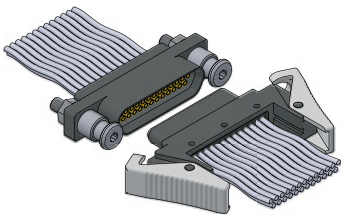
- 1 plug or receptacle added to 2 clasps.
  The 2 clasps guarantee a good retention and a reliable locking.
- 1 plug or receptacle with 2 fast-locking jackposts.
- Available solution: for 9 to 51-way connectors.
- Compatible with Axon' Micro-D composite PCB ranges.

KEY FEATURES AND BENEFITS

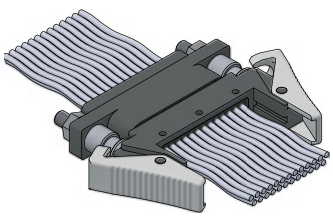
D-ClickLite® composite fast-locking micro-D connectors present obvious competitive advantages that do respond to the needs for a quick connection without tools:

- **Twist Pin technology** used for composite connectors: reliability, vibration resistance ;
- same performance in terms of vibration and mating as standard Micro-D connectors ;
- lightweight ;
- secure and quick connection: fast integration ;
- materials compatible with outgassing ;
- no tool required for mating and unmating ;
- time saving compared to standard Micro-D connectors, which need specific tooling (torque screwdriver) and operating procedures ;
- space saving compared to standard Micro-D connectors: the torque screwdriver which is quite big requires space to access the hardware. As no tool is required, composite Micro-D fast-locking connectors can be used for ap-plications where the access is limited ;
- easy visual inspection of the locking com-pared to standard Micro-D ;
- no floating potential to limit ESD problems and simplify ground connection ;
- compatible with standard micro-D PCB layout: no need to change customer's layout.

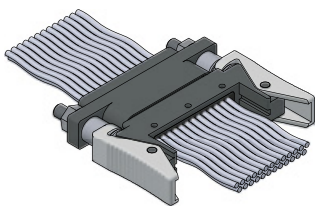
HOW TO CONNECT D-CLICKLITE CONNECTORS



STEP 1 **Align the connectors.**



STEP 2 **Engage the connectors.**



STEP 3 **Pinch on the clasps-it «clicks» and it's done.**



SNAPLITE®:

Even smaller fast-locking connectors

Axon' offers SnapLite®, a new composite fast-locking connector range available in 2 and 4 ways. They have been originally developed to replace splices. Splices are used to interconnect wires for repair, maintenance or extending conductors in an electrical circuit.

Key features and benefits

- Manufacturing time saving compared with splices. The connection is made in one click, A few seconds are needed only compared to a few minutes with splices.
- Secure connection: no risk of mistakes when connecting wires.
- Can be offered with dismountable lines (contact + wire): no need to change the whole connector when a line is damaged.
- Reliability and repeatability compared with splices.

Technical characteristics

- 1 female receptacle with 1 clasp. The clasp guarantees a good retention and a reliable locking.
- 1 plug.
- Material: composite.
- Available in 2 and 4 ways.
- Terminated with AWG24-28 wires. Other AWG on request.
- Micro-D Twist Pin contacts.

Applications

- Connection of a pigtail to another link: splicing.
- Connectors developed for space applications but can be used for any application requiring secure locking in a space-constrained area.

APPLICATIONS

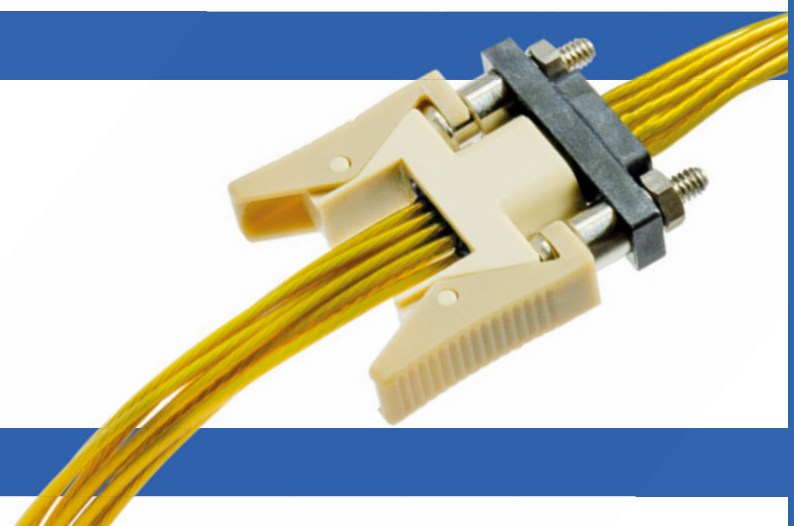
- **D-ClickLite® connectors** have been originally developed for robotics but can be used for avionics, oil & gas, defense.
- Any applications requiring secure locking in a restricted space.
- Any connection that needs micro-D performance but no metal connector.

















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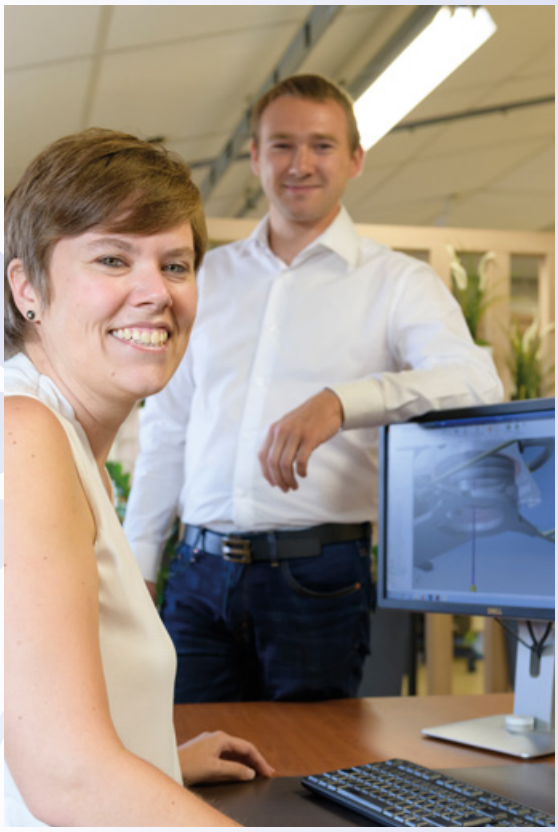
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Axon' Cable is a global leader in the design and manufacture of high-performance interconnect solutions for a wide range of industries, including aerospace, defence, medical, and industrial markets. Since 1965, Axon' Cable has established itself as a trusted partner to its customers by providing innovative solutions that meet their most demanding requirements. From custom-designed cables and connectors to cable assemblies and harnesses, Axon' Cable's expertise and state-of-the-art manufacturing facilities enable it to deliver reliable, high-quality products that are optimized for performance and reliability. With a commitment to excellence and a focus on customer satisfaction, Axon' Cable is dedicated to driving innovation and advancing the state-of-the-art in interconnect technology.

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