

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.

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 applications where the access is limited
- Easy visual inspection of the locking compared 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

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



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



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 dismantlable lines (contact+wire): no need to change the whole connector when a line is damaged,
- Reliability and repeatability compared with splices.

Technical characteristics

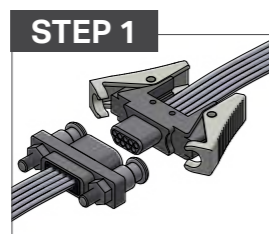
- 1 female receptacle with 1 clasp. The clasp guarantees a good retention and a reliable locking,
- 1 plug,
- Material: composite,
- Available in 2 and 4 ways,
- Terminated with AWG24-28 wires. Other AWG on request,
- Micro-D Twist Pin contacts.

Applications

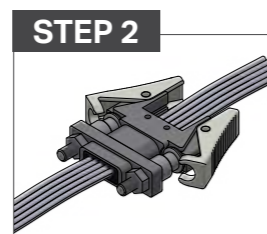
- Connection of a pigtail to another link: splicing,
- Connectors developed for space applications but can be used for any application requiring secure locking in a space-constrained area.



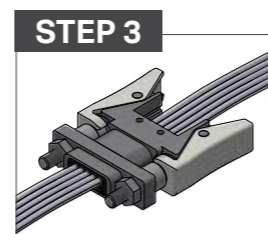
How to connect D-ClickLite® connectors



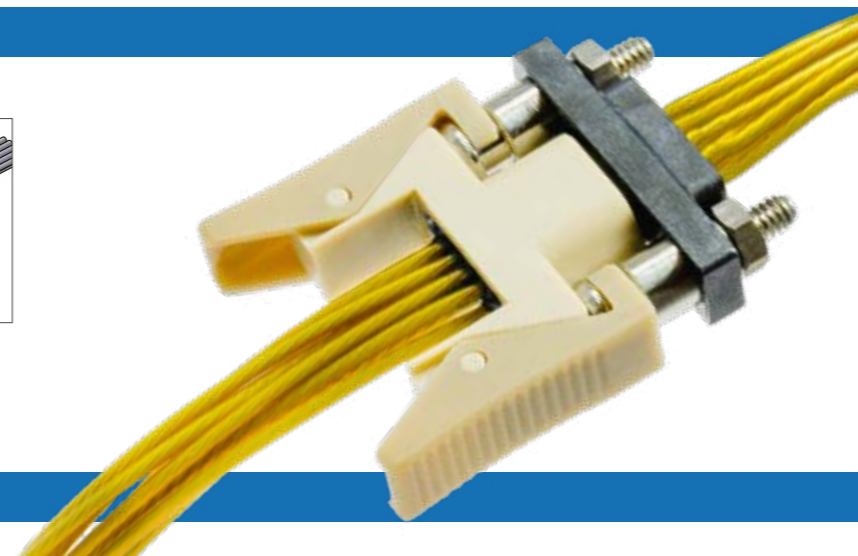
Align the connectors



Engage the connectors



Pinch on the clasps- it "clicks" and it's done



INTERNATIONAL PRESENCE

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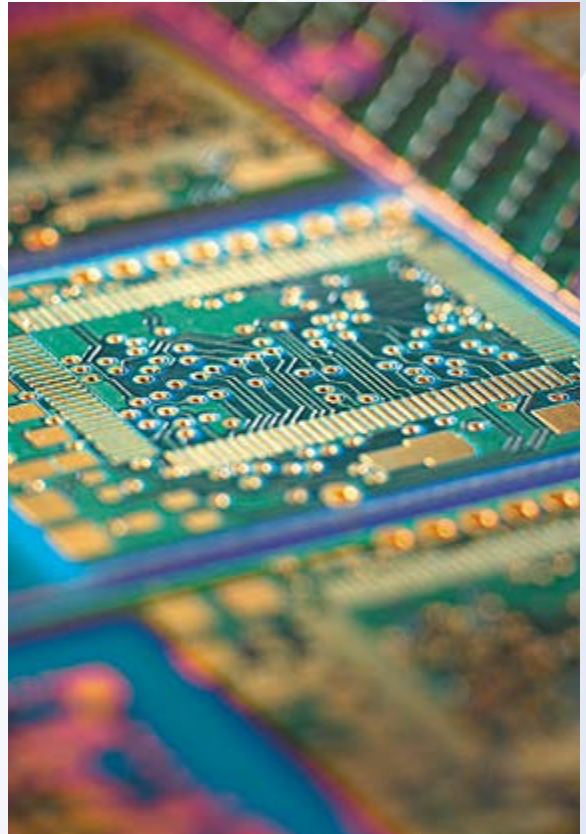
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Axon Cable is a global leader in the design and manufacture of high-performance interconnect solutions for a wide range of industries, including aerospace, defence, medical, and industrial markets. With over 55 years of experience, Axon Cable has established 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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