



SELF-LOCKING CONNECTORS

The PIC logo consists of the letters "PIC" in a bold, red, italicized sans-serif font. Below this, the words "WIRE & CABLE" are written in a smaller, white, sans-serif font inside a dark grey rectangular box.

PIC
WIRE & CABLE

INTRODUCING ULTRALOC™

WHAT IT IS AND WHY YOU NEED IT

UltraLoc is a robust, tool-less locking mechanism that ensures a secure connection without the need for safety wiring.

Built for high-reliability military and aerospace applications, our new connectors specifically address the pain points of crowded avionics bays, high labor costs and Foreign Object Debris (FOD) risks from standard aerospace connectors.

Through standardizing these self-locking connectors, maintenance centers and OEMs can guarantee rapid, highly secure coaxial connections while permanently removing the operational headaches of standard safety wire.

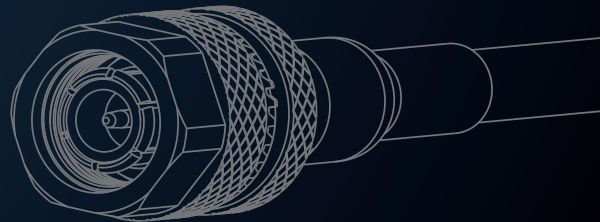
Compatible with standard jacks, UltraLoc connectors are available in bulk straight and right-angle forms for HN, N and TNC types and also as pre-manufactured and fully-tested assemblies.



FIND YOUR FIT

WE'RE MAKING YOUR JOB EASIER

Our new UltraLoc connectors are designed to seamlessly replace current standard versions, and in combination with our Ultralite UH22089, UH67163 and UH44193 cables, provide ultimate time and weight savings.



HN STRAIGHT

ITEM#

150104-SL
150404-SL (shown)
150504-SL

FITS CABLE:

UH44193
UH22089
UH67163



N STRAIGHT

ITEM#

150110-SL
150410-SL (shown)
150510-SL

FITS CABLE:

UH44193
UH22089
UH67163



TNC STRAIGHT

ITEM#

150108-SL
150408-SL (shown)
150508-SL

FITS CABLE:

UH44193
UH22089
UH67163



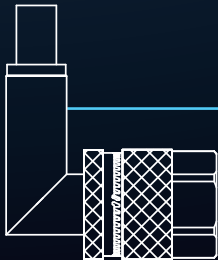
HN RIGHT-ANGLE

ITEM#

150105-SL
150405-SL (shown)
150505-SL

FITS CABLE:

UH44193
UH22089
UH67163



N RIGHT-ANGLE

ITEM#

150111-SL
150411-SL (shown)
150511-SL

FITS CABLE:

UH44193
UH22089
UH67163



TNC RIGHT-ANGLE

ITEM#

150109-SL
150409-SL (shown)
150509-SL

FITS CABLE:

UH44193
UH22089
UH67163



TOOL-LESS LOCKING MECHANISM

This simple, intuitive, and highly secure locking mechanism does not require specialized tools for engagement or disengagement *and eliminates the need for traditional safety wiring*. This significantly reduces the manual labor time required for installation and maintenance, directly lowering the total cost of ownership for operators and entirely removes the critical safety risk of Foreign Object Debris (FOD) caused by improperly secured safety wires.



*M39012 COMPATIBILITY (APPLICABLE FORM, FIT & FUNCTION)

Designed to seamlessly integrate into current systems without major redesigns. The connectors maintain or exceed the strict high-frequency electrical performance characteristics (e.g., VSWR, insertion loss) of standard M39012 connectors for 50-ohm coaxial cables across specified frequency ranges.

*Contact PIC for more information

POSITIVE TACTILE FEEDBACK

Provides a physical sensation that the connection is being locked into place as it is installed. This eliminates the chance of human error leading to an unlocked connection, which is especially important in poorly lit or hard-to-reach areas.

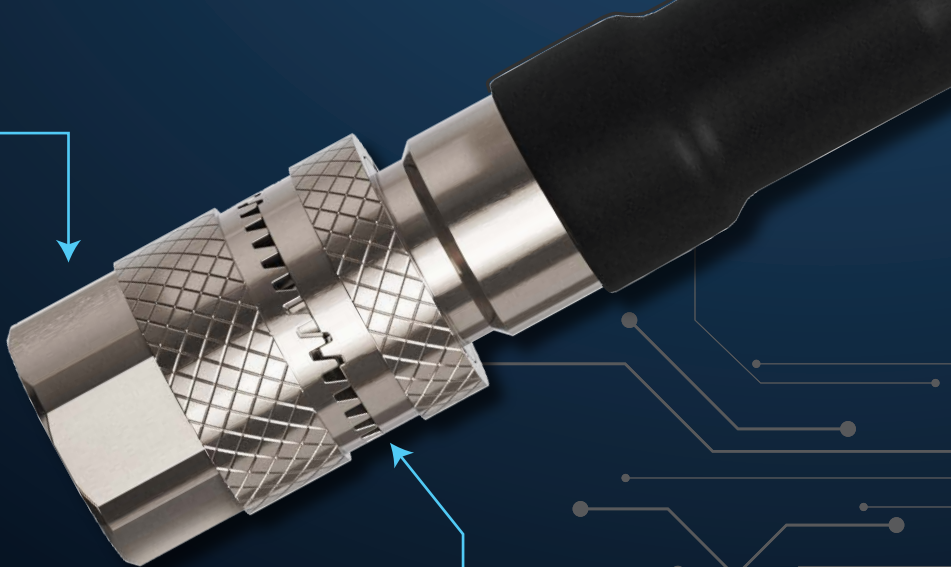
AEROSPACE-GRADE MATERIALS / DURABILITY

Constructed to withstand harsh military and aerospace environments, including extreme temperatures (-65°C to $+165^{\circ}\text{C}$), vibration, shock and exposure to common aerospace fluids. They ensure highly repeatable electrical and mechanical performance over a minimum of 500 mating cycles. Nickel plating.



SINGLE GLOVED-HAND OPERABILITY

Allows for quick and easy hand-tightening without the need for specialized tools. This is highly advantageous for crowded avionics bays where access is restricted, enabling technicians to easily mate and unmate connections.



DEFAULT LOCKED STATE

The mechanism is designed so that locking is ensured as the default state when the connector is not being actively interfaced by the user. It is impossible for an operator to leave the connector in an electrically connected but unlocked state, ensuring foolproof operational safety.

EXPERIENCE FREEDOM.

WHAT'S NEXT FOR ULTRALOC? YOU DECIDE!

Contact us today to see how we can help make your job easier with our UltraLoc technology and engineer a tailor-made solution that works for your application.

Because that's what we do - and we love our job!

PICWIRE.COM/ULTRALOC

LEARN MORE



CONTACT US

