

Communication Markets Division

3M™ Slim Lock Closures

3M™ Slim Lock Closures for wireless weatherproofing applications are compact closures that protect RF connections at the antenna and remote radio unit (RRU). Protection of these connections is critical to preventing moisture intrusion, which can lead to signal integrity issues and service disruptions.

As antennas become more densely populated with RF connectors as a result of Multiple In Multiple Out (MIMO) antenna requirements or LTE and the trend toward multi-band multi-service antennas, weatherproofing becomes challenging and time consuming.

Due to its clamshell-like design, the 3M Slim Lock Closure can be installed after the connection is complete at the antenna or RRU. A proprietary, highly compliant sealing gel technology found inside the closure displaces air around the cable and connector, providing a robust sealing interface. The closure can be opened, removed and reinstalled without disconnection of the network, thereby avoiding signal interruptions and replacement costs.



3M™ Slim Lock Closures installed on an antenna

Features	Benefits
Compact design	Fits in small or congested areas
One-handed operation	Fast installation
Easy to install/remove	Intuitive install; minimal training needed
Re-enterable	Allows for PIM/sweep testing
Reusable	No extra supplies needed to re-seal
Tool-less	No additional installation costs and steps

3M™ Slim Lock Closures can also be installed inverted when connectors are located at the top of the antenna and still maintain a tight seal around the connection point.

These closures are re-enterable, re-usable and tool-less, making it a time-saving, cost-effective, easy-to-use solution for the wireless industry, especially where PIM/sweep testing is concerned. They are installed quickly with one hand and can fit in small spaces for fast installation.

3M Slim Lock Closures are available in different sizes to fit different types and sizes of RF connectors with nominal half-inch coaxial cable.



3M™ Slim Lock Closure Family



3M™ Slim Lock Closures can be easily installed with one hand.

Specifications	
Environmental protection	IP68
Operating temperature	-40 to 65°C
Icing/freezing rain tolerance	MIL-STD-810
Blowing rain tolerance	GR-3151-CORE

Ordering information

Product number	Neck size (range)	Typical Connector Application	Cable diameter (range)	3M ID	Min. order
SLC-716	1.00" - 1.03" (25.4 - 26.2 mm)	DIN 716	0.53" - 0.63" (13.5 - 16.0 mm)	80-6113-8755-8	12
SLC-A-MINI	0.68" - 0.78" (17.3 - 19.8 mm)	Mini-DIN	0.53" - 0.63" (13.5 - 16.0 mm)	80-6114-9597-1	20
SLC-B-NANO	0.51" - 0.62" (13.0 - 15.7 mm)	N-Type	0.53" - 0.63" (13.5 - 16.0 mm)	80-6114-9598-9	20

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