

TiniFiber® Micro Armor Fiber Cable Wins Gold in 'ASTORS' Best Aviation

TiniFiber®, a revolutionary manufacturer of a micro armored fiber optic cabling solution that exceeds the needs of the tightest congested airport pathways, today announced it is the recipient of a 2018 'ASTORS' Award from American Security Today for its Aviation/Micro Armored Fiber Optic solution.

Selected by a panel of expert judges as the GOLD Award Winner in the 2018 'ASTORS' Homeland Security Award for Best Aviation System, the TiniFiber patented Micro Armor Fiber™ cable protects the fragile fiber optic glass inside from harsh environments and vermin attacks.

<https://www.youtube.com/watch?v=db6Ab5IkGtM>

(Check out the TiniFiber® video comparing Micro Armor Fiber™ and Aluminum Interlocking Armor (AIA)! We are approximately 65% smaller and 75% lighter in weight! Courtesy of TiniFiber and YouTube.)

"We are honored that our Micro Armor Fiber™ cabling achievements have been recognized in the 2018 'ASTORS' Awards Program for advancements in our fiber optic platform for airport security," said Chris Peterson, President of TiniFiber® said in response to the company's win.

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Christian Peterson, III, President of TiniFiber accepting a 2018 'ASTORS' Award at ISC East.

"Team TiniFiber is humbled that the AST expert panel recognized the game changing capabilities that our Micro Armor Fiber™ cable solutions bring to the Homeland Aviation Security sector."

"Airports are sensitive and targets for terrorism, security breach, political agendas and where millions of people from around the globe trust for safety to take them to their destinations."

"Security must be reliable, transparent and ensure the traveler of utter safety while at the airports."

"Surveillance cameras must always be operational and downtime from fiber optic failure is not an option."

The Annual 'ASTORS' Awards is the preeminent U.S. Homeland Security Awards Program highlighting the most cutting-edge and forward-thinking security solutions coming onto the market today, and is specifically designed to honor distinguished government and vendor solutions that deliver enhanced value, benefit and intelligence to end users in a variety of government, homeland security and public safety vertical markets.

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TiniFiber® is designed to overcome the challenges of the growing need of micro armored fiber optic solutions at airports to ensure security for all passengers.

“As the nation continues to respond to escalating threats from home and abroad, the innovative solutions being implemented to meet those threats, has led to tremendous growth in the field of Homeland Security,” said Michael Madsen, cofounder and publisher of American Security.

“Today, the United States is increasingly focusing on protecting IT/cyber security networks and they are calling on innovative companies like TiniFiber to help them do so.”

“Product nominations such as TiniFiber, were evaluated on their technical innovation, interoperability, specific impact within the category, overall impact to the industry, relatability to other industry technologies, and application feasibility outside of the industry,” according to Tammy Waitt, co-founder and editorial director of American Security Today.

TiniFiber® was selected for its ability to protect the fragile fiber optic glass within the cable jacket with a U.S. Patented Micro Armor Fiber™ cable which has a similar outer diameter (OD) of a standard fiber cable but 75% smaller and 65% lighter than the aluminum interlock armor (AIA).

For example, a typical AIA 12 strand armored cables can cause many challenges for airport installation and maintenance, including a minimal bend radius which when stressed, can crack the glass within the cable.

Additionally, AIA is heavy to handle, requires multiple technicians to roll out and requires large reels to ship to sites, which takes up mission critical space within the pathways.

12 Strand Fiber Optic Armor Competitive Analysis - Based on 1000 Feet:

TiniFiber® Micro Armor Fiber™			Aluminum Interlocking Armor (AIA)		
 <p>Labels for TiniFiber cross-section: Jacket, Kevlar & WB Yarn, Steel Tube, Color Coded Fiber, Aramid Kevlar, Inner Jacket.</p>			 <p>Labels for AIA cross-section: Outer Jacket, Interlocking Armor, Inner Jacket, Strength Members, Strength Members, Tight Buffered Fiber, Ripcord.</p>		
Fiber Count	Diameter	Weight	Fiber Count	Diameter	Weight
12	5.5mm	98 lbs.	12	13.90mm	395 lbs.

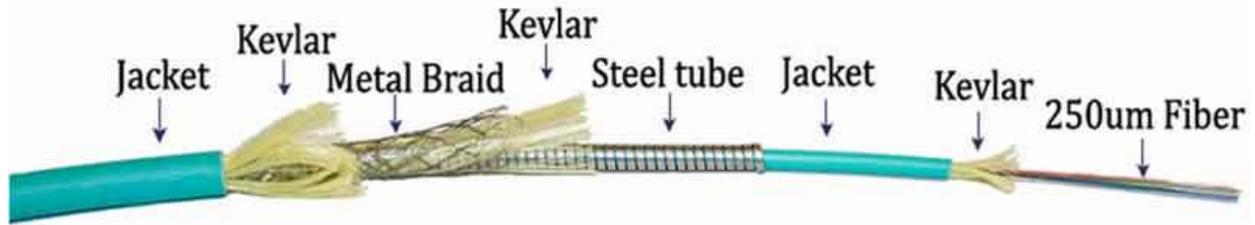
TiniFiber® differs from other armored solutions because it is designed to offer the most extreme bend radius while taking up the least amount of space in pathways.

TiniFiber® micro armored fiber optic cabling can offer these benefits because it has the smallest outer diameter (OD) of other armored fiber optic solutions on the market today at almost the same OD of standard non-armored fiber optic cables.

TiniFiber® was originally designed to overcome the challenges of pathway reclamation by the company's dedicated team of engineers and designers that developed the U.S patented and U.L. approved solution to meet the harshest conditions as well as crush, vermin and tamper resistant, through the smallest and tightest possible pathways.

The stainless-steel armor is machine coiled around the fiber optic strands to provide tremendous strength, ruggedness, and bendability for all practical projects and uses.

Additionally, Kevlar® strands are added to reinforce the strength. Water block yarn is added for use in outdoor applications and finally, TiniFiber® Micro Armor Fiber™ patch cords are half the size and substantially stronger than conventional jumpers.



TiniFiber® is a solution engineered to provide the industry's smallest outer diameter micro armor for ultimate satisfaction in meeting all our aviation customer's cabling projects.

The Micro Armor Fiber™ machinery ensures that the stainless-steel tubular design maintains maximum flexibility, strength and ruggedness to meet all project requirements, and the Micro Armor Fiber™ with Kevlar® available in one or more jacket layers, ensure maximum strength and durability.

“This award is a clear indication that Micro Armor Fiber™ helps enable security leaders to protect against the harshest environment and reclaiming pathways at the airports and for all their cabling projects,” added Barry Skolnick Vice President for TiniFiber.

To learn more about TiniFiber® solutions for our Micro Armor Fiber™, please visit www.tinifiber.com