

TiniFiber Data Center Solutions

Pack More Fiber. Pull It Faster. Protect It Better.

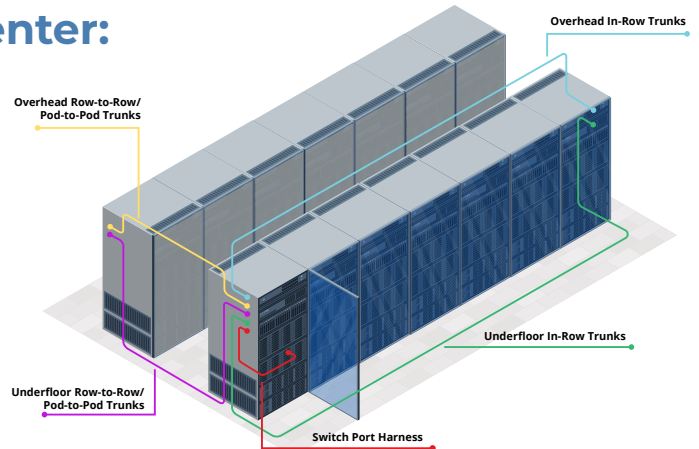


TiniFiber® Micro Armored Fiber delivers high-density, easy-to-route, crush-proof protection—without the bulk of traditional armored cable.

Data center fiber pathways are under constant pressure: trays and racks are congested, install windows are shrinking, and conventional armored cable can be bulky, heavy, and unforgiving - inviting tight bends, kinks, and accidental damage during moves, adds, and changes. TiniFiber Micro Armored Fiber is engineered for modern high-density environments, combining a dramatically smaller diameter with installer-friendly handling and stainless-steel micro armor that helps protect fiber where outages and rework are not an option.

Where Fiber Lives in the Data Center: From Core to Cabinet

Fiber touches nearly every critical zone of the facility - from backbone runs to high-speed interconnects at the rack. This diagram shows how micro armored fiber enables safer, denser routing through the most congested areas, helping reduce pathway constraints while protecting links that keep workloads online. In addition, TiniFiber's micro armor fiber cables leave more space for cooling in this power hungry environment.



Features & Benefits of TiniFibers Micro Armor Solution



Smaller Cable Diameter



Increased Flexibility



Durable Design



Smoother Jacket



Rodent Resistant



UL Listed



OSHA Safe



Lower Shipping Cost



Lower Installation Costs



Crush Resistant



Customizable Solutions

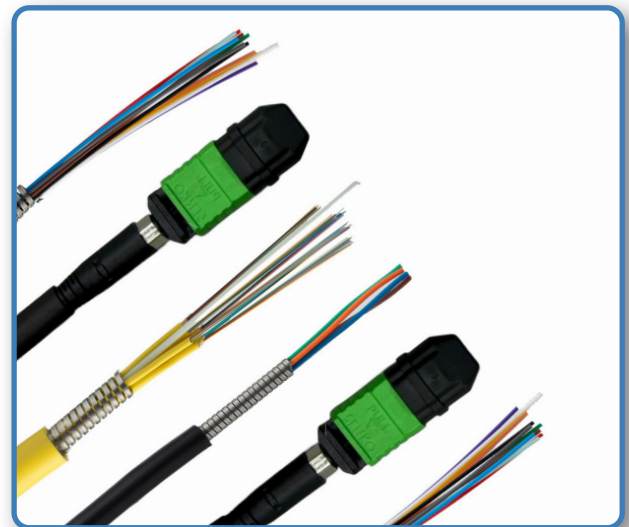


Ideal Applications

- ⦿ High-Density Interconnects (leaf-spine, aggregation, and core switching)
- ⦿ Server-to-Switch Links (ToR/EoR deployments, frequent MAC activity)
- ⦿ Server-to-Storage / SAN Fabric Links (high-availability paths where protection matters)
- ⦿ Zone Distribution (HDA/EDA zone enclosures and consolidation points)
- ⦿ Meet-Me Rooms (MMR) & Carrier Demarc (high-traffic, high-risk cable areas)
- ⦿ Retrofits & Pathway-Constrained Expansions (add capacity without rebuilding routes)
- ⦿ Underfloor / Overhead Tray Runs in congested environments
- ⦿ Critical Links in Shared Pathways where crush and bend risk is elevated
- ⦿ Backbone Cabling (MDA-to-HDA and inter-room runs)

Typical Products Used (contact us for more information)

Part#	Description
TF12-OS2-PL	12 fiber singlemode, micro armor, plenum
TF24-OS2-PL	24 fiber singlemode, micro armor, plenum
TF48-OS2-PL	48 fiber singlemode, micro armor, plenum
TF144-OS2-PL	144 fiber singlemode, micro armor, plenum
F12R-OM4-PL-MTP-MTP-10M	12f ribbon micro armor patch cable, MTP-MTP
NA432-OS2-PVC	432 fiber non-armored indoor singlemode cable



Revolutionize Your Data Center Cabling

Get higher density, faster installs, and tougher protection - without the bulk of traditional armored fiber.

Request a free sample and a layout consultation to see how TiniFiber can reduce pathway congestion and simplify your next deployment.

- ⦿ Request a sample: <https://tinifiber.com/contact-us/request-a-sample/>
- ⦿ Learn more about MicroArmor: <https://tinifiber.com/microarmor-fiber/>
- ⦿ Downtime impact reference (Ponemon): https://www.ponemon.org/local/upload/file/2011%20Cost_of_Data_Center_Outages.pdf

Patent notice: "TiniFiber® products are protected by patents in the United States and other jurisdictions (countries). This list is not exhaustive, and additional TiniFiber® products not specifically enumerated herein may also be subject to patent protection - <https://tinifiber.com/patent-notices/>