TiniFiber has applied its patented Micro Armor Fiber™ technology for Fiber to the Home (FTTH) Broadband applications creating the first ever armored pushable fiber optic cable.

TiniFiber’s new Micro Armor FTTH cable is a 1 or 2-strand, single-mode fiber optic cable which combines its Micro Armor technology with two unique steel strength members.

The benefits of TiniFiber’s latest FTTH innovation impact last mile deployment & installations.

This small Outer Diameter (3.0mm) fiber cable can be installed using a pushing installation technique which has resulted in 300+ foot distances (some reaching 400ft) in various trials and pathway conduits, something previously unattainable with other fiber optic cables.

The current installation techniques for last mile connectivity include air blown fiber, which is expensive, requires additional onsite equipment, special pre-installed tubing, specific training and takes a considerable amount of time.

TiniFiber’s new pushable Micro Armor Fiber provides broadband operators and service providers with a reliable and efficient solution for street to home installations requiring no special training and can be pre-terminated for turn-key solutions for MDUs and business fiber connectivity.

TiniFiber’s armored technology provides unrivaled durability in direct burial and aerial environments. It is rodent resistant, lightweight and highly flexible, further adding to the ease of installation.

This breakthrough advancement in fiber optic connectivity will improve the speed of FTTH deployment and installations, lowering costs and ensuring successful transmission integrity for today and tomorrow’s fiber deep networks.

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