

Multimode Fiber Mandrels

Look to Fluke Networks' Multimode Fiber Mandrels to meet current TIA standards and ensure accurate and consistent measurements when testing multimode fiber.

Fluke Networks' Multimode Fiber Mandrels offer a simple, cost-effective way to:

- Improve the repeatability and consistency of multimode optical power and loss measurements when using a LED source.
- Ensure that your measurements are compliant with TIA/EIA-568-B standards.
- Guarantee the correct number of wraps around the proper diameter mandrel.
- Protect the 3.0 mm fiber cable from damage and unwanted microbends.

Improve repeatability and consistency of multimode optical loss/power testing with Fluke Networks' Multimode Fiber Mandrels. As required by TIA standards, fiber mandrels are used with a LED source when measuring optical power loss in multimode fiber optic cabling.

In short lengths of multimode fiber, sources that use LED can have higher than expected attenuation due to power loss in higher order modes. Fluke Networks' Multimode Fiber Mandrels behave as mode filters and remove these unwanted high order modes. The result is more repeatable, consistent optical power measurements when using LED sources.

Adhere to TIA specifications

Fluke Networks' Multimode Fiber Mandrels promote compliance with ANSI/TIA/EIA 568-B standard, which requires the use of fiber mandrels when testing multimode fiber with LED sources. Unlike other materials often used as fiber mandrels, Fluke Networks' mandrels have the correct diameter and ensure the correct number of wraps.

Our fiber mandrels are sized for 3.0 mm fiber cables – the most commonly used patch cable type in the industry. A 22 mm mandrel is available for 50/125µm fiber and a 17 mm mandrel is available for 62.5/125µm fiber, as defined in the TIA/EIA-568-B standard.



Utilize Multimode Fiber Mandrels easily

Fluke Networks' Multimode Fiber Mandrels feature grooves that enable the user to wrap the cable from the source five times around the mandrel. A retainer keeps the cable in place while not adversely pinching the fiber – making its use foolproof!

What's more, the color-coded mandrels allow you to easily identify the correct diameter mandrels for your fiber patch cord. And you can easily attach the mandrel to an attachment point for storage.

Fluke Networks' Multimode Fiber Mandrels are designed for use with Fluke Networks' DSP-FTA 410/420, OMNIFiber MM, CertiFiber, SimpliFiber, FTK-100/200, DSP-FTK or any other optical loss test set featuring an LED source.

Specifications

General Specifications	
Diameter	
NF-MANDREL-50	22 mm
NF-MANDREL-625	17 mm
Fiber patch cable diameter	3 mm
Wraps	5
Shipping weight	0.25 lbs
Standard compliancy	ANSI/TIA/EIA 568-B.1

Ordering Information

Model	Description
NF-MANDREL-50	Red Multimode Fiber Mandrel for 50 μ m fiber with 3 mm jackets
NF-MANDREL-625	Gray Multimode Fiber Mandrel for 62.5 μ m fiber with 3 mm jackets
NFK1-MANDREL-KIT	Multimode Fiber Mandrel kit containing two red 50 μ m mandrels and two gray 62.5 μ m mandrels

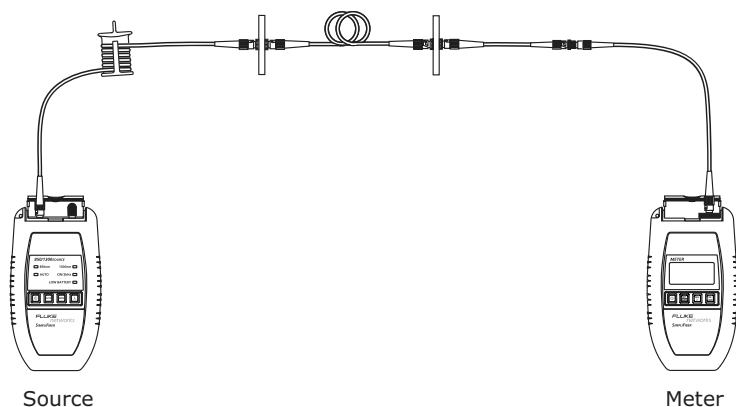


Figure 1. Test the fiber link accurately using Fluke Networks' Multimode Fiber Mandrel.

Fluke Networks delivers Network Supervision

Fluke Networks is committed to providing Network SuperVision Solutions that optimize performance - and the bottom line. From innovative products and tools that comply with emerging standards, to responsive service and training to help you grow your business, Fluke Networks helps you keep pace in today's fast-moving, networked world by keeping our eye on the future for you. That's Network SuperVision. *That's our promise to you.*



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