

Fiber Optic Test Cords

Overview

Fiber optic test cords connect your tester to the fiber link you're testing and therefore act as a "window" into it. If that "window" is of poor quality or dirty, then your measurements will be inaccurate. That's why Fluke Networks offers a wide array of test cords that match the quality of our instruments. These test cords will also work with other vendors' equipment, with exceptions noted below. (Always check your testers' documentation to ensure you're using acceptable test cords.)



Features

- Includes Test Reference Cords for Accurate Loss Measurements, Launch Fibers for OTDR Measurements, and Port Protection cords
- Supports a wide variety of connector types including LC, SC, ST, FC, MPO and E2K in UPC and APC versions
- Features the Durable Fluke Metal LC connector with latching mechanism tested to 10,000 insertions
- Test Reference Cords, used for optical loss (Tier 1) measurements, include reference grade connectors and fiber to minimize measurement errors
- Launch Fibers are packaged in a rugged, convenient zipper case, designed for use with our T-Pak magnetic / hanger / hook and loop strap. 也被称为光时域反射计 (II 级) 测试用途的发射包或死区消除器

Award-Winning, Durable Metal LC Connectors

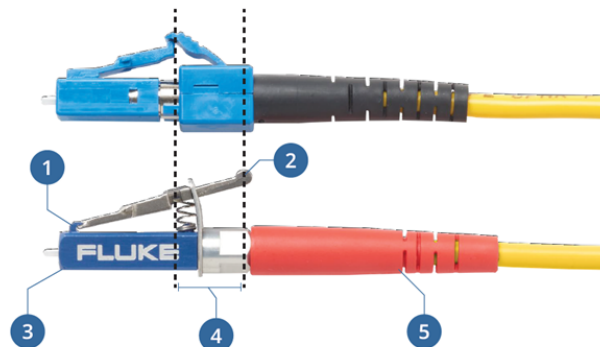
Fluke Networks 测试参考跳线和发射光纤 (带 LC 连接器) 采用我们独家的金属锁扣设计。传统 LC 连接器采用单件塑料设计, 每次插入和移除连接器时都会使闭锁机构弯曲, 并最终断裂, 这导致其不适合在测试中重复使用。Fluke Networks 金属 LC 闭锁系统采用多件金属设计, 在锁扣和连接器主体之间配有一个弹簧。

Since this latch is not part of the body and does not flex, the life of the latching mechanism is greatly improved, thereby extending the life of the LC connector and therefore the TRC's and launch cords.



金属 LC 连接器

The Metal LC connector is compliant with **IEC 61754-20** and **TIA-604-10B** intermateability standards. 该锁扣还经过了多达 10,000 次插入测试，其性能没有下降，且通过了所有 Telecordia GR-326-CORE 耐久性测试，包括热力、湿度、振动、弯曲、冲击和盐雾测试。 While the connector itself is rugged, the glass fiber endface is still susceptible to damage, so it's important to inspect the endface to make sure it's contaminant-free and to properly clean it if necessary.



金属与塑料 LC 连接器比较

1. Durable Metal Construction with Non-Flexing Latch
2. Rounded Latch Release: Easier on the Fingers
3. Rounded Corners for Easier Insertion
4. Greater Leverage: Less Force Required
5. Color Coded for Use with CertiFiber™ Pro: Reduces Setup Errors
6. Available for MM, SM, UPC and APC
7. Meets and ISO & TIA Intermateability Standards (LC)

Compact, Rugged, and Convenient OTDR Launch Cords

OTDR launch cords don't have to be big and clumsy. Fluke Networks 发射线采用紧凑、坚固和方便的拉链式机箱，用户可根据需要拉出最大或最少量的线缆，以保持井然有序。 The case is compatible with **Fluke's T-Pak™ Magnetic Meter Hanger** (sold separately), which allows the case to be suspended out of the way using its magnetic / hanger / hook and loop strap.

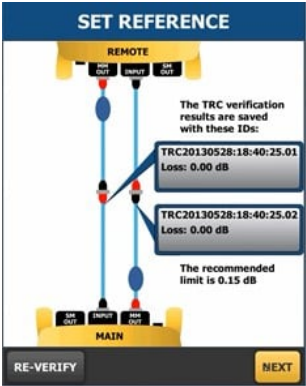
发射线是长光纤链路，可使光时域反射计正确测量光纤链路的所有连接器性能。 光时域反射计端口的反射有效阻止了光时域反射计影响线缆的第一部分，因此光时域反射计可通过发射光纤，将来自端口和链路中第一个连接器的反射分开。 Fluke's launch cords use reference grade fiber and connectors to minimize the impact of the cord on the measurements. When used in sets of three, these cords also support the **OptiFiber™ Pro** OTDR's SmartLoop™ that tests two fibers in both directions and averages the measurements as required by TIA-568.3-D in seconds - without taking the OTDR to the far end.



Test Reference Cords (TRC's)

Today's fiber networks operate with tighter and tighter loss requirements, so accurate measurements are critical. That's why our Test Reference Cords are designed with high quality reference grade connectors and cabling. TRC's are color coded to make it easy to set reference correctly – one of the leading causes of measurement errors – and are designed to work with the [CertiFiber Pro's](#) Set Reference Wizard which virtually eliminates mistakes.

Note that multimode Test Reference Cords with an "EF" designation include Encircled Flux conditioners designed for use with the CertiFiber Pro and are not recommended for use with other testers.



设置 CertiFiber Pro 基准

Port Protector Cords

Port Protector cords are short (1 ft / 0.3 m) cords designed to be installed in the OTDR's port, and then attached to the appropriate test cords or Launch Fiber. The end of the cord remains plugged into the tester during testing and the fibers under test are plugged into the other end. This greatly reduces the risk of damage to the tester's port, which can be difficult and costly to repair. If the port protector cord is damaged, it can be quickly replaced at low cost. Fluke Networks' port protector cords feature reference grade connectors and fibers. This, plus their short length and location next to the port of the OTDR make them invisible to the OTDR and they will not negatively impact your measurements.

Models

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Model	Description	Function	Type
Test Reference Cords – Kits (set of four) - 50µ Multimode			
MRC-50EFC-SCFCKIT	EF TRC KIT 50 FOR TESTING FC FIBERS	TRC Kit	MM 50µ
MRC-50EFC-SCLCKITM	MULTIMODE 50UM EF TRC KIT EM (2 SC/LC, 2 LC/LC), METAL	TRC Kit	MM 50µ
MRC-50EFC-SCSCKIT	EF TRC KIT 50 FOR TESTING SC FIBERS	TRC Kit	MM 50µ
MRC-50EFC-SCSTKIT	EF TRC KIT 50 FOR TESTING ST FIBERS	TRC Kit	MM 50µ
Test Reference Cords – Kits (set of four) – 62.5µ Multimode			
MRC-625EFC-SCFCKIT	EF TRC KIT 62.5 FOR TESTING FC FIBERS	TRC Kit	MM 62.5µ
MRC-625EFC-SCSCKIT	EF TRC KIT 62.5 FOR TESTING SC FIBERS	TRC Kit	MM 62.5µ
MRC-625EFC-SCSTKIT	EF TRC KIT 62.5 FOR TESTING ST FIBERS	TRC Kit	MM 62.5µ
MRC-62EFC-SCLCKITM	MULTIMODE 62.5UM EF TRC KIT EM (2 SC/LC, 2 LC/LC), METAL	TRC Kit	MM 62.5µ
Test Reference Cords – Kits (set of four) – 9µ Single-mode			
SRC-9-SCFC-KIT	SINGLEMODE TRC KIT 2M (2 SC/FC, 2 FC/FC)	TRC Kit	SM
SRC-9-SCLCAPCKIT-M	SM TRC SC/LC APC KIT (2 SC/LCAPC, 2 LCAPC,LCAPC), METAL	TRC Kit	SM
SRC-9-SCLC-KIT-M	SINGLEMODE TRC KIT 2M (2 SC/LC, 2 LC/LC), METAL	TRC Kit	SM
SRC-9-SCSCAPCKIT	SINGLEMODE SIMPLEX TEST REFERENCE CORD SC/SC APC KIT	TRC Kit	SM
SRC-9-SCSC-KIT	SINGLEMODE TRC KIT 2M (4 SC/SC)	TRC Kit	SM

SRC-9-SCST-KIT	SINGLEMODE TRC KIT 2M (2 SC/ST, 2 ST/ST)	TRC Kit	SM
SRC-9-SCE2KAPCKIT	SINGLEMODE SIMPLEX TEST REFERENCE CORD SC/E2K APC KIT	TRC Kit	SM
Test Reference Cords (Individual) - 50µ Multimode			
MRC-50-EFC-SCFC	MULTIMODE EF TRC 2M 50UM (SC/FC)	TRC	MM 50µ
MRC-50-EFC-SCLC-M	MULTIMODE 50UM EF TRC 2M (SC/LC), METAL	TRC	MM 50µ
MRC-50-EFC-SCSC	MULTIMODE EF TRC 2M 50UM(SC/SC)	TRC	MM 50µ
MRC-50-EFC-SCST	MULTIMODE EF TRC 2M 50UM (SC/ST)	TRC	MM 50µ
MRC-50-FCFC	MULTIMODE TRC 2M 50UM, FC/FC	TRC	MM 50µ
MRC-50-LCLC-M	MULTIMODE 50UM TRC 2M (LC/LC), METAL	TRC	MM 50µ
MRC-50-SCSC	MULTIMODE TRC 2M 50UM, SC/SC	TRC	MM 50µ
MRC-50-STST	MULTIMODE TRC 2M 50UM, ST/ST	TRC	MM 50µ
Test Reference Cords (Individual) – 62.5µ Multimode			
MRC-625-EFC-SCFC	MULTIMODE EF TRC 2M 62.5UM (SC/FC)	TRC	MM 62.5µ
MRC-625-EFC-SCLC-M	MULTIMODE 62.5UM EF TRC 2M (SC/LC), METAL	TRC	MM 62.5µ
MRC-625-EFC-SCSC	MULTIMODE EF TRC 2M 62.5UM (SC/SC)	TRC	MM 62.5µ
MRC-625-EFC-SCST	MULTIMODE EF TRC 2M 62.5UM (SC/ST)	TRC	MM 62.5µ
MRC-625-FCFC	MULTIMODE TRC 2M 62.5UM, FC/FC	TRC	MM 62.5µ
MRC-625-LCLC-M	MULTIMODE 62.5UM TRC 2M	TRC	MM

	(LC/LC), METAL		62.5μ
MRC-625-SCSC	MULTIMODE TRC 2M 62.5UM, SC/SC	TRC	MM 62.5μ
MRC-625-STST	MULTIMODE TRC 2M 62.5UM, ST/ST	TRC	MM 62.5μ
Test Reference Cords (Individual) - 9μ Single-mode			
SRC-9-FCFC	SINGLEMODE TRC 2M (FC/FC)	TRC	SM
SRC-9-LCLCAPC-M	SINGLEMODE TRC 2M (LC-LCAPC), METAL	TRC	SM
SRC-9-LCLC-M	SINGLEMODE TRC 2M (LC/LC), METAL	TRC	SM
SRC-9-SCAPC/FCAPC	SM TRC (2M) FOR TESTING SCAPC/FCAPC	TRC	SM
SRC-9-SCAPC/LCAPCM	SINGLEMODE TRC 2M (SCAPC-LCAPC), METAL	TRC	SM
SRC-9-SCAPC/SCAPC	SM TRC (2M) FOR TESTING SCAPC/SCAPC	TRC	SM
SRC-9-SCFC	SINGLEMODE TRC 2M (SC/FC)	TRC	SM
SRC-9-SCLCAPC	SINGLEMODE TRC 2M (SC-LCAPC)	TRC	SM
SRC-9-SCLCAPC-M	SINGLEMODE TRC 2M (SC-LCAPC), METAL	TRC	SM
SRC-9-SCLC-M	SINGLEMODE TRC 2M (SC/LC), METAL	TRC	SM
SRC-9-SCSC	SINGLEMODE TRC 2M (SC/SC)	TRC	SM
SRC-9-SCSCAPC	SINGLEMODE TRC 2M (SC-SCAPC)	TRC	SM
SRC-9-SCST	SINGLEMODE TRC 2M (SC/ST)	TRC	SM
SRC-9-STST	SINGLEMODE TRC 2M (ST/ST)	TRC	SM
OTDR Launch Cords - 50μm Multimode			

MMC-50-FCFC	MULTIMODE LAUNCH CABLE 50UM FC/FC	Launch	MM 50μ
MMC-50-LCLC-M	MULTIMODE 50UM LAUNCH CABLE 105M (LC/LC), METAL	Launch	MM 50μ
MMC-50-SCE2K	MULTIMODE LAUNCH CABLE 50UM SC/E2000	Launch	MM 50μ
MMC-50-SCFC	MULTIMODE LAUNCH CABLE 50UM SC/FC	Launch	MM 50μ
MMC-50-SCLC-M	MULTIMODE 50UM LAUNCH CABLE 105M (SC/LC), METAL	Launch	MM 50μ
MMC-50-SCSC	MULTIMODE LAUNCH CABLE 50UM SC/SC	Launch	MM 50μ
MMC-50-SCST	MULTIMODE LAUNCH CABLE 50UM SC/ST	Launch	MM 50μ
MMC-50-STST	MULTIMODE LAUNCH CABLE 50UM ST/ST	Launch	MM 50μ
OTDR Launch Cords – 62.5μm Multimode			
MMC-62.5-FCFC	MULTIMODE LAUNCH CABLE 62.5UM FC/FC	Launch	MM 62.5μ
MMC-62.5-LCLC-M	MULTIMODE 62.5UM LAUNCH CABLE 105M (LC/LC), METAL	Launch	MM 62.5μ
MMC-62.5-STST	MULTIMODE LAUNCH CABLE 62.5UM ST/ST	Launch	MM 62.5μ
MMC-62-SCFC	MULTIMODE LAUNCH CABLE 62.5UM SC/FC	Launch	MM 62.5μ
MMC-62-SCLC-M	MULTIMODE 62.5UM LAUNCH CABLE 105M (SC/LC), METAL	Launch	MM 62.5μ
MMC-62-SCSC	MULTIMODE LAUNCH CABLE 62.5UM SC/SC	Launch	MM 62.5μ
MMC-62-SCST	MULTIMODE LAUNCH CABLE 62.5UM SC/ST	Launch	MM 62.5μ

OTDR Launch Cords - 9µm Single-mode			
SMC9-E2KAPC/E2KAPC	SM 9UM LAUNCH CORD (160M) FOR E2KAPC/E2KAPC	Launch	SM
SMC-9-FCAPC/FCAPC	SM 9UM LAUNCH CORD (160M) FOR FCAPC/FCAPC	Launch	SM
SMC-9-FCFC	SINGLEMODE LAUNCH CABLE 9UM FC/FC	Launch	SM
SMC-9-LCAPC/LCAPCM	SINGLEMODE LAUNCH CORD 160M (LCAPC/LCAPC), METAL	Launch	SM
SMC-9-LCLC-M	SINGLEMODE LAUNCH CABLE 160M (LC/LC), METAL	Launch	SM
SMC-9-SCAPC/E2KAPC	SM 9UM LAUNCH CORD (160M) FOR SCAPC/E2KAPC	Launch	SM
SMC-9-SCAPC/FC	SM 9UM LAUNCH CORD (160M) FOR SCAPC/FCUPC	Launch	SM
SMC-9-SCAPC/FCAPC	SM 9UM LAUNCH CORD (160M) FOR SCAPC/FCAPC	Launch	SM
SMC-9-SCAPC/LC	SM 9UM LAUNCH CORD (160M) FOR SCAPC/LCUPC	Launch	SM
SMC-9-SCAPC/LCAPCM	SINGLEMODE LAUNCH CORD 160M (SCAPC/LCAPC), METAL	Launch	SM
SMC-9-SCAPC/LC-M	SINGLEMODE LAUNCH CORD 160M (SCAPC/LCUPC), METAL	Launch	SM
SMC-9-SCAPC/SCAPC	SM 9UM LAUNCH CORD (160M) FOR SCAPC/SCAPC	Launch	SM
SMC-9-SCAPC/ST	SM 9UM LAUNCH CORD (160M) FOR SCAPC/STUPC	Launch	SM
SMC-9-SCE2KAPC	SINGLEMODE LAUNCH CABLE 9UM SC/E2000APC	Launch	SM
SMC-9-SCFC	SINGLEMODE LAUNCH CABLE 9UM SC/FC	Launch	SM

SMC-9-SCFCAPC	SINGLEMODE LAUNCH CABLE 9UM SC/FCAPC	Launch	SM
SMC-9-SCLCAPC-M	SINGLEMODE LAUNCH CABLE 160M (SC/LCAPC), METAL	Launch	SM
SMC-9-SCLC-M	SINGLEMODE LAUNCH CABLE 160M (SC/LC), METAL	Launch	SM
SMC-9-SCSC	SINGLEMODE LAUNCH CABLE 9UM SC/SC	Launch	SM
SMC-9-SCSCAPC	SINGLEMODE LAUNCH CABLE 9UM SC/SCAPC	Launch	SM
SMC-9-SCST	SINGLEMODE LAUNCH CABLE 9UM SC/ST	Launch	SM
SMC-9-STST	SINGLEMODE LAUNCH CABLE 9UM ST/ST	Launch	SM
Port Protector Cords (0.3 meter) Multimode			
MRC-50-LCLC-0.3M-M	MULTIMODE 50UM TRC 0.3M FOR OTDR PORT (LC/LC), METAL	Port Protector	MM 50μ
MRC-50-SCSC-0.3M	MM 50UM TRC 0.3M FOR OTDR PORT (SC/SC)	Port Protector	MM 50μ
MRC-62.5-LCLC.3M-M	MULTIMODE 62.5UM TRC 0.3M FOR OTDR PORT (LC/LC), METAL	Port Protector	MM 62.5μ
MRC-62.5-SCSC-0.3M	MM 62.5UM TRC 0.3M FOR OTDR PORT (SC/SC)	Port Protector	MM 62.5μ
Port Protector Cords (0.3 meter) Single-mode			
SRC-9-LCLC-0.3M-M	SINGLEMODE TRC 0.3M FOR OTDR PORT (LC/LC), METAL	Port Protector	SM
SRC9SCAPCLCAPC.3MM	SINGLEMODE TRC 0.3M FOR OTDR PORT (SCAPC/LCAPC), METAL	Port Protector	SM
SRC9SCAPCSCAPC0.3M	SM 9 UM TRC 0.3M FOR OTDR PORT (SCAPC/SCAPC)	Port Protector	SM
SRC9SCAPCSCUIPC0.3M	SM 9 UM TRC 0.3M FOR OTDR	Port	SM

	PORT (SCAPC/SCUPC)	Protector	
SRC-9-SCLC-0.3M-M	SINGLEMODE TRC 0.3M FOR OTDR PORT (SC/LC), METAL	Port Protector	SM
SRC-9-SCSC-0.3M	SM 9UM TRC 0.3M FOR OTDR PORT (SC/SC)	Port Protector	SM

Keep Learning

- Why upgrade test reference cord LC connectors to the Metal LC?
- 金属 LC 连接器：say goodbye to broken latches on fiber test reference cords
- Test reference cords (TRCs) vs. patch cords

About Fluke Networks

Fluke Networks is the worldwide leader in certification, troubleshooting, and installation tools for professionals who install and maintain critical network cabling infrastructure. From installing the most advanced data centers to restoring service in the worst weather, our combination of legendary reliability and unmatched performance ensure jobs are done efficiently. The company's flagship products include the innovative LinkWare™ Live, the world's leading cloud-connected cable certification solution with over fourteen million results uploaded to date.

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Revised: September 21, 2023 11:25 AM

Literature ID:

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