



FIBER OPTICS

Fiber Optic Tools Technical Basics

Pro'sKit® is a leading supplier of fiber optic tools and accessories. The **Pro'sKit®** one-stop shop provides complete solutions for fiber optic termination tools such as strippers, Kevlar cutters, viewing scope, testers, fiber scribes, and cleaning kit.


Fiber Optic Connectors:

ST connector




For datacom and telecom, widely used

SC connector




For multimode, rarely single mode, APC not possible

LC connector



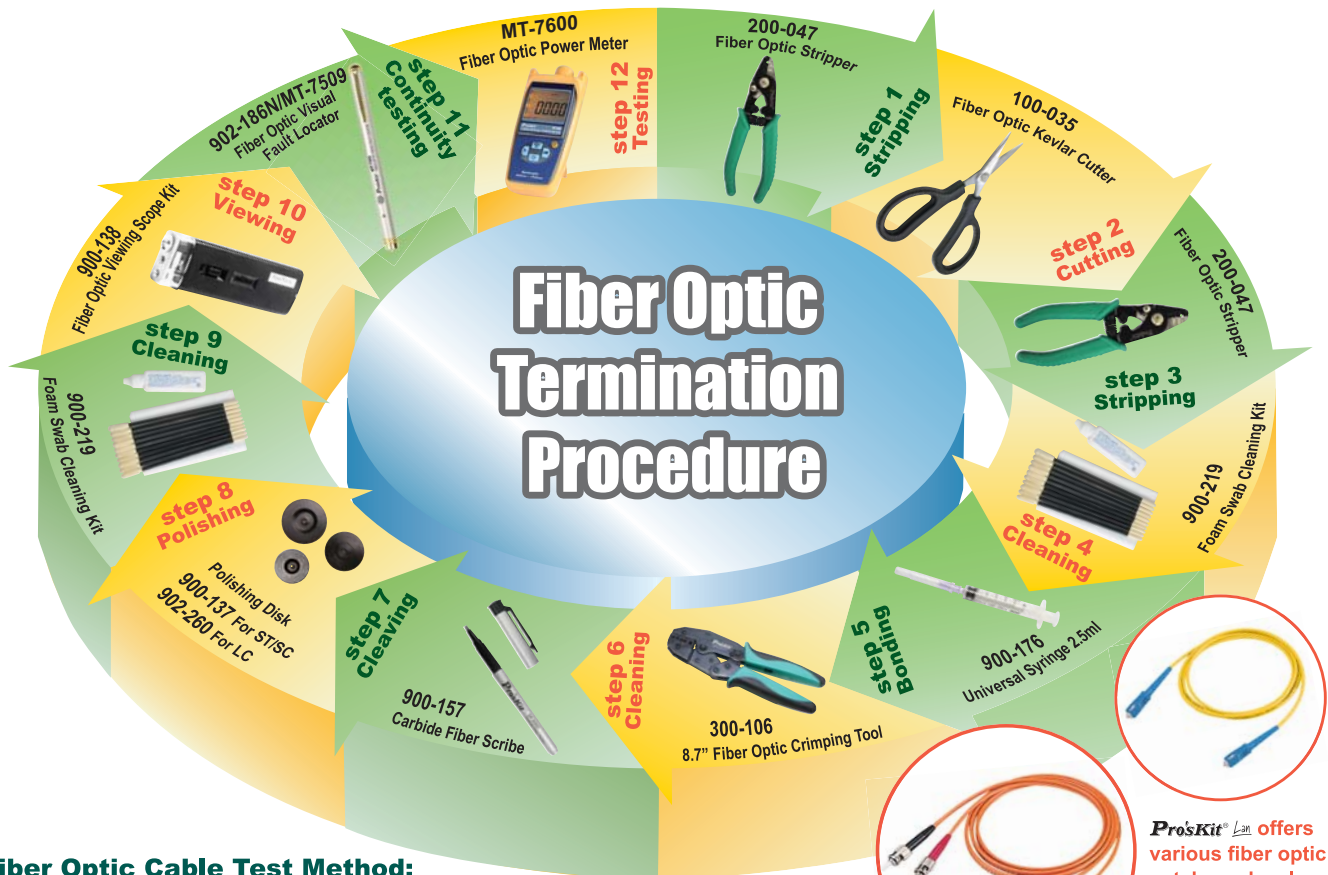
For high-density connections, SFP transceivers

MTRJ connector



For duplex multimode connections

• Please refer to our LAN category to find above products. You will also see many LAN Cat5e/6 accessories, including Patch Panel, Keystone Jack, Patch cord, Modular Plug, Flush Plate & Back Box, Inline coupler and Fiber Optic accessories. please explore it and find what you are looking for!



Pro'sKit® Lan offers various fiber optic patch cords, please refer to LAN category for more choice.

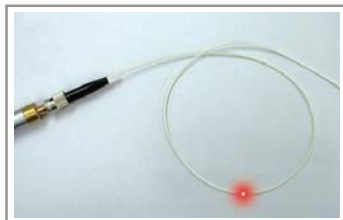
Fiber Optic Cable Test Method:

After the cables are installed and terminated, it's time for testing. For every fiber optic cable assembly, you will need to test the continuity, end-to-end loss and troubleshoot the problems. **Pro'sKit®** fiber optic tester will help to do this step more efficiently.

Continuity test by 902-186N/MT-7509



Continuity test



Break in fiber

End-to-end loss test by MT-7600



▶ MT-7600 Fiber Optic Power Meter



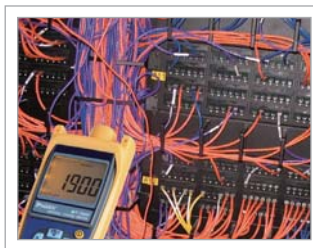
Comes with ST/FC/multi connector for measuring wavelength 850/1300/1310/1550 nm

Perfect for installation & maintenance of fiber optic networks in Datacom, Telecom, FTTH, CATV, CCTV, LAN and manufacturer of fiber optic equipment and cable.

Features:

- Use of InGaAs photodiode and flat response curve.
- Function: dBm, dB, W.
- Extra function, low battery indication, overload indication, auto power off, LCD backlight.

Specification	
Measurement range	+3dBm ~ -55dBm, 2mW ~ 4nW
Accuracy	±0.3dBm
Display resolution	0.01
Photo diode	InGaAs
Measurement wavelength	850nm,1300nm,1310nm,1550nm
Connector type	Multi (for ST, SC, FC, connectors)
Power source	Alkaline battery DC 1.5V x4 pcs (LR03/ AAA/ UM-4) (not included)
Size	185x84x42 mm / 7.3"x3.3"x1.7"
Weight	420 g
Accessories	Carrying case x 1pcs (209x190x65mm) / 8.2"x7.5"x2.6" Patchcord: SCx1 pc LC adaptor (optional part# 5MT-7600-LC)
Individual packing	Sleeve with white box



Fiber optic power test



▶ 902-186N/MT-7509 Fiber Optic Visual Fault Locator



Measuring distance : 8KM



902-186N



MT-7509



Model No.	Connector type	Light source	Nominal wavelength	Battery	OAL(mm/inch)	Individual packing
902-186N	2.5mm/0.1" (FC/SC/ST)	Class 3A laser diode	650±10nm	1.5V AAA x2pcs (Not included)	Ø13.5x155mm/ Ø0.53"x6.1"	Color box with black EVA inner case
MT-7509	1.25mm/0.05" (LC)	Class 3A laser diode	650±10nm			

ESD STATIC PROTECTION

MAGNIFICATION & LIGHTING

FIBER OPTICS

POWER TOOLS

MISCELLANEOUS

INSTRUMENT CASES

LAN/DATACOMM

CONNECTORS

WIRING INSTALLATION

TOOL CASES

TOOL KITS

INDEX

▶ **900-168 Fiber Continuity Tester**



Light source	Battery	OAL(mm/inch)	Individual packing
Bulb	1.5V AAx2pcs (Not included)	Ø 18x160mm Ø0.71"x6.3"	Blister card

▶ **900-157 Carbide Fiber Scribe**



OAL(mm/inch)	Individual packing
Ø12x130mm Ø0.47"x5.12"	Blister card

▶ **900-138 Fiber Optic Viewing Scope Kit**



This fiber optic viewing scope kit makes it simple to view ST/SC Pre-encapsulated FDDI, and the ends of fiber before and after cleaving operations.



Made in USA



Magnification	Light source	Battery	OAL (mm/inch)	Individual packing
100X Adjustable	Bulb 2.25V/0.25A	1.5V AAx2pcs (not included)	148x46x25mm/ 5.8"x1.8"x0.98"	Blister card

▶ **200-047 Fiber Optic Stripper**



Strips 125 micron glass fiber with 250 micron buffer coating without scratching or nicking glass fiber.



Material	HRC	OAL(mm/inch)	Individual packing
S50C	48±2	148/5.8"	Blister card

▶ **100-035 Fiber Optic Kevlar Cutter**



For cutting Kevlar fiber optic cable



Micro serrated

Handle material	Blade HRC	Hardness (Cutting edge)	OAL (mm/inch)	Individual packing
TPR	60~62	HV1200	160/6.3"	Blister card

▶ **900-176 Syringe Pack**



Individual packing
Poly bag+Header card (3pcs/pack)

PK-6940 / PK-6942 Fiber Optic Tool Kit

The tool kit contains a complete set of fiber optic termination tools such as strippers, crimpers, kevlar cutters, viewing scope and testers, also available are fiber scribes, and cleaning kit for easy and quick termination.

PK-6940	PK-6942
Fiber optic visual fault locator (For LC connector)	(None)
Fiber optic visual fault locator (For FC/SC/ST connector)	
Foam swabs cleaning kit	
Fiber optic viewing scope kit (SC/PC/FC)	
Fiber optic viewing scope disk (LC)	
Fiber optical stripper	
Carbide fiber scribe	
LC/SC/ST Fiber polishing disk	
Universal syringe 2.5ml	
8.7" fiber optic crimping tool	
Fiber optic kevlar cutter	
Utility component storage box	
Deluxe compact tool case (250x210x90mm/9.8"x8.3"x3.5")	
Individual packing	
Color Box	



500-023 Fiber Optic Tool Kit

Contents	
Crimper - with additional die for more connector types (.100"/.213"/.218"/.190" and .042/.068/.151/.178/.213)	
Nick-free strippers	
Ergonomic wire cutters	
Kevlar cutting scissors	
TrueView fiber scope kt	
SC/ST/FC polishing disks	
Double-sided component box	
Swabs	
Alcohol bottle	
Syringe	
Tweezers	
Chisel tip scribe	
Zippered case	
Individual packing	
Inner box + Color label shrink	



900-219 Foam Swabs Cleaning Kit



For clean up of organic & inorganic residue in clean room and other areas. Ideal for fiber optic clean work



Individual packing
Blister card

900-137/902-260 SC/ST/LC Polishing Disk



- Insert connector into polishing disk.
- Polish using a figure 8 motion on sandpaper sheet (not included)



900-137
(For SC/ST)



902-260
(For LC)



Model No.	OAL (mm/inch)	Individual packing
900-137	32.8/1.3"	Blister card
902-260	37.8/1.5"	