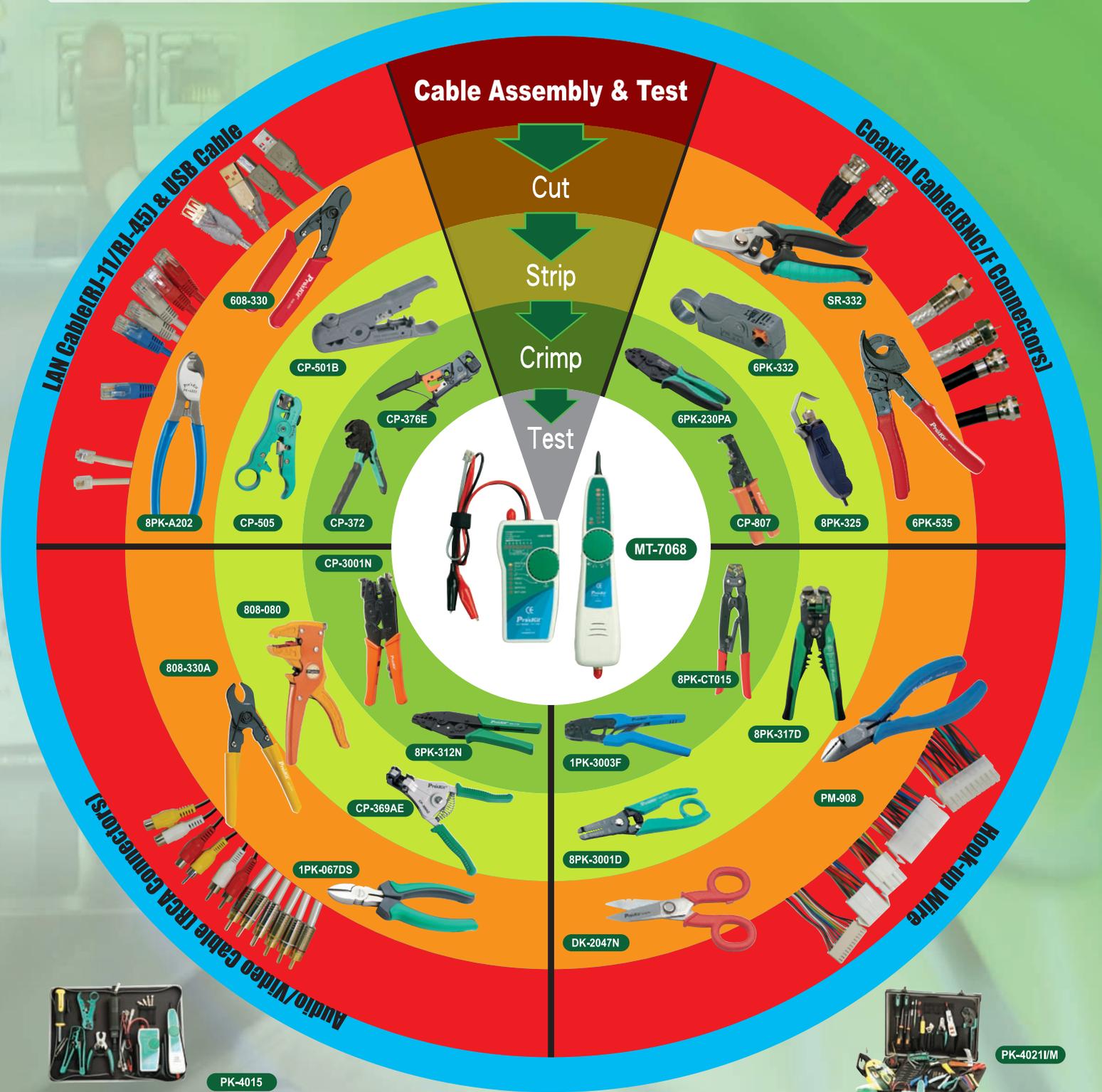# Total Solution and Application of Cable Assembly

Pro'sKit®

Pro'sKit® offers a total solution of cable assembly tools. A series of products from cutter, stripper, crimper to tester allocates in 4 different cables - Coaxial cable (BNC/F connector), Hook-up wire, Audio/Video cable (RCA connectors), LAN cable (RJ-11/RJ-45) & USB cable, demonstrated in the below pie chart. **Pro'sKit®** tool kits provides one-stop shop for the demands of different market field and are your best choice.

Cable Assembly & Test

Cut

Strip

Crimp

Test

MT-7068

LAN Cable(RJ-11/RJ-45) & USB Cable

- 608-330
- CP-501B
- CP-376E
- 8PK-A202
- CP-505
- CP-372
- CP-3001N
- 808-080
- 808-330A
- 8PK-312N
- CP-369AE
- 1PK-067DS

Coaxial Cable(BNC/F Connectors)

- SR-332
- 6PK-332
- 6PK-230PA
- CP-807
- 8PK-325
- 6PK-535

Hook-up Wire

- 8PK-CT015
- 8PK-317D
- 1PK-3003F
- PM-908
- 8PK-3001D
- DK-2047N

Audio/Video Cable (RCA Connectors)

- PK-4015

PK-4021I/M

Pro'sKit®

http://www.prokits.com.tw
e-mail: pk@mail.ptrokits.com.tw

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MT-7068

All-IN-ONE TONER & PROBE KIT

The MT-7068 All-in-one Toner & Probe Kit is ideal for all mainte-nance fields of tele-communication, networking, data communication, audio/video, cable TV.

V.D.V. Tester
(Voice/Data/Video)

Locate & isolate cables

Validate twisted pair cables (ex. UTP, STP)

Ethernet detection (10 base-T or 10/100 Base T)

Antennas and cable TV hookups

Handy bag

ITEM	Functions	Txxpo	Pxxxdxn	FXXKE	Pro'sKit MT-7068
Transmitter		1KHz	1KHz	1KHz	1KHz
	Tone Mode	TWO (Hi/Lo)	TWO (Hi/Lo)	TWO (Hi/Lo)	TWO (Hi/Lo)
	Compatible Connectors	Alligator Clips+ RJ-45Female	RJ-45Male-Female/ RJ-11Male-Femal/ Alligator Clips	RJ-45Male-Female/ RJ-11Male-Femal/F/ Alligator Clips	RJ-45Male-Female/ RJ-11Male-Female Alligator Clips
	Compatible Connectors				USB / F/ BNC / RCA
	Continuity Test	●	●	Green LED -- Connected No LED->10K No connection	Green LED -- Connected No LED->>300Ω No connection
	Powering Telephone Test Set		●	●	6V/Green
	Telephone Service & Polarity Validation		●	●	Red/Green LED
	Signal Status Indication	●		●	Red LED -- Active No LED -- Inactive
	Ethernet Short/Open/ Miswires Visual Alert		8 LED Indicators		8 LED Indicators (Cable Map)
	Low Battery Indication	●	●	●	●
	Auto Power Off			●	
	Battery Type	9V	9V	9V	9V
Receiver	Audio Adjustment (Range Finder)	●	●	●	●
	Ear Jack	●	●	●	●
	Signal Status Indication	1 LED Indicators	8 LED Indicators	●	8 LED Indicators (Cable Map)
	Ethernet Short/Open/ Miswires Visual Alert		8 LED Indicators	●	8 LED Indicators (Cable Map)
	Ethernet Short/Break/ Miswires Audio Alert			●	●
	Low Battery Indication		●	●	●
	Compatible Port		RJ-45Male- Female	RJ-45Male-Female RJ-11Male-Female	RJ-45Male-Female RJ-11Male-Female
	Compatible Port				USB / F / BNC / RCA
	Battery Type	9V	9V	9V	9V
Storage	Wrist Carrying Bag		●		●
	Carrying Bag	●	●	●	●
Approval	Certificate	CE	CE	CE	CE LEAD FREE RoHS COMPLIANT

MT-7068 advantages:

- MT-7068 is a complete All-in-one Toner & Probe Set in VDV (Voice-Data-Video) field to locate, isolate, and validate twisted pair (UTP, STP, Cat 5e, Cat 6), coax cable (RG6, RG58, RG59, and others for CATV/CCTV) USB and A/V signal, bare wire (such as speaker wire and security network wire), and Cat 3 telephone cabling. It is ideal for all maintenance fields of telecommunication, networking, data communication, audio/video, cable TV.
- Detect the signal of Ethernet service. LED is flashing when the signal of Ethernet service is switching in between 10 and 100 base-T.
- Cable mapping through visual (multiple LED indicators) and audible (voice) to identify and diagnose cable installation (continuity, opens, shorts or reversed pairs)
- Telephone power supports two hand sets or butt sets in use without or with low battery
- MT-7068 Toner comes with LED indicators for detecting the resistance of wire (>300Ω) allowing users to detect the problem of bad connection easily
- MT-7068 Probe is equipped with copper wire in the tip to enhance the detecting sensitivity and also reduce the risk of getting shock

RJ-45/11

USB

BNC connectors

RCA connectors

F connectors

PK-4015 Cable Service Kit

PK-4015 Cable Service Kit is a comprehensive all in one kit for work on datacom, CCTV, surveillance system and telecomm cables, includes cable tester, cutter, crimper, stripper, screwdriver and punch down tool.

MT-7068	All-in-one Toner & Probe Kit
CP-373	Pro-Crimper Modular Tool
8PK-314BR	Impact & Punch Down Tool
CP-505	Universal Stripping Tool (UTP/STP, RG-59/6/7/11)
1PK-SD006	6-in-1 Magnetic Quick Change Screwdriver
SR-332	All Purpose Snip
9ST-PK4015	Carring zipper bag

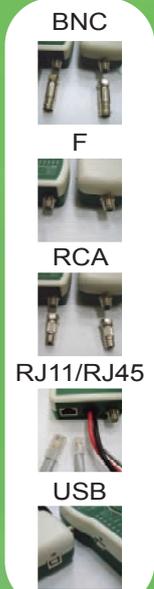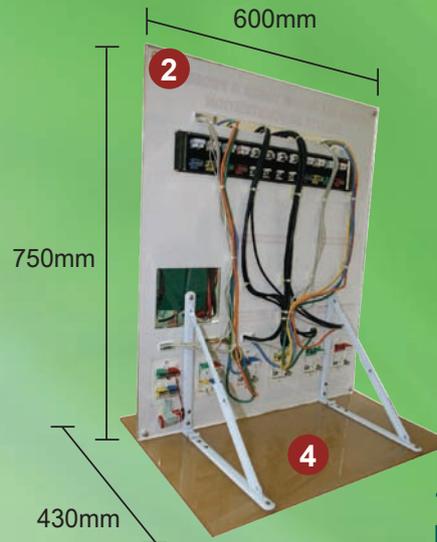# On-Site Demonstration Set
for MT-7068 All-in-One Toner & Probe Kit

Product Name: MT-7068
Acrylic Demonstration Set

Finished Size: 600x750x430mm

Graphic Size: 600x750mm

Main Material: Acrylic

BNC
F
RCA
RJ11/RJ45
USB

600mm
750mm
430mm

1 MT-7068 VDV **Set IS ALL YOU NEED!**

Bill of Materials

1. 8mm thick acrylic board (600x750mm)	x1	16. BNC Connector	x8
2. 5mm thick acrylic board (600x750mm)	x1	17. F Connector	x8
3. Screws for acrylic boards	x4	18. 6P6C RJ11 keystone jack -Red	x4
4. 8mm thick acrylic board (600x430mm)	x1	19. 6P6C RJ11 keystone jack -Green	x4
5. Foldable steel Arm	x2	20. 6P6C RJ11 keystone jack -Blue	x4
6. Screws for foldable arms	x12	21. 6P6C RJ11 keystone jack -Yellow	x4
7. Print poster (600x750mm)	x1	22. 8P8C RJ45 Cable, 2M -Red	x2
8. 24-port Keystone jack patch panel	x1	23. 8P8C RJ45 Cable, 2M -Green	x2
9. Screws for patch panel	x4	24. 8P8C RJ45 Cable, 2M -Blue	x2
10. 4-port flush plate	x6	25. 8P8C RJ45 Cable, 2M -Yellow	x2
11. Screws for flush plate	x12	26. 6P6C RJ11 Cable, 2M	x8
12. 8P8C RJ45 keystone jack -Red	x4	27. BNC Cable 2M	x4
13. 8P8C RJ45 keystone jack -Green	x4	28. F Cable 2M	x4
14. 8P8C RJ45 keystone jack -Blue	x4	29. MT-7068 Toner & Probe Set	x1
15. 8P8C RJ45 keystone jack -Yellow	x4	30. MT-8091 In-line modular adapter	x1

Call for your own demonstration set today!

Q & A for MT-7068

Q1 If the testing distance less than 50 meters, is the Toner & Probe Kit short?

A1 The testing distance normally can achieve 1 Km (3,000 feet). The shorter distance may be caused by the following reasons: (1) Low battery status, please replace new battery. ALKALINE battery is adoptable for longer time use.
(2) Black alligator clip of Toner does not connect to the ground, please make sure it is done before testing.
(3) There might be open circuit or hindrance on the testing cable, please inspect the testing cable and fix the problems.

Q2 When testing in 1KHz analog toning modes, the Probe buzzes seriously, is there any problem with speaker?

A2 No, this is normal situation. Probe will buzz when there is interference sources like AC power, motor, transformer, or signals of low frequency (50/60 Hz) nearby, when testing in 1KHz analog toning modes. If the buzzing sounds do not interrupt the testing job, please continue working or turn off the power of interference sources.

Q3 If there is no volume from Probe or Probe is not working when testing in 1KHz analog toning modes, how to fix it?

A3 The possible reason is the volume is set too low or the rotary switch is incorrectly positioned. Please do the following to solve the problem :
(a.) Check to see that the Probe rotary switch is properly positioned
(b.) Maximize the Probe volume.
(c.) Check and ensure the Toner rotary switch is properly positioned.
(d.) Connect the testing cable with red alligator clip properly.
(e.) Check if the black alligator clip is connected to the ground.
(f.) Confirm that there is no low battery indication.

Q4 When the "BAT LOW" light of Toner indicates red light or the power light of Probe transfers from green to red, what does it mean?

A4 It means that the 9V battery is lower than 7.5V, please replace new battery right away. Low battery status will generate unreliable testing conclusion.

Q5 What kind of connector is compatible to MT-7068?

A5 There are quite a lot of connectors compatible to MT-7068. RJ-45, RJ-11, USB, F, BNC, RCA connector and alligator clips are included in this kit as standard offer. Moreover, the adapters like F to N, F to TNC, USB to IEEE1394 and USB to Mini Din …are also compatible to MT-7068 to test N, TNC, UHF, PAL cable and different computer cables like IEEE1394, Mini DIN ...

Q6 What kind of cable is compatible to MT-7068?

A6 There are quite many cables compatible to MT-7068 such as UTP, STP, Cat.5e, Cat.6, Cat. 3 telephone line, RG6/RG58/RG59/CATV/CCTV…coaxial cable, USB cable, Audio/Video cable and general cable (stranded/solid). The normal copper cable is generally compatible!

Q7 When Toner rotary switch is positioned at "", why there is still sounds from speaker?

A7 This is normal status because the audio jack of earphone has not been plugged in. After plugging the audio jack into earphone hole, the sounds will stop and output from earphone directly.

Pro'sKit®

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