



Tools, Connectors, Testers Used in Demonstration Videos

The videos within this TTT media pack demonstrate the proper tools, techniques, and testers needed to properly terminate UTP Cat5e/6, coax, and multimode fiber optics.

Why should you use these tools and testers?

This training program is intended to provide you with the knowledge to terminate and test various cables types to achieve high performance. It's important to use the right tools, and to know what to do with them.

Hand Tools

Most of the tools and copper connectors you will see used are from IDEAL Networks, website <http://www.idealindustries.com/companies/IDEAL-Networks-.aspx>. Why use IDEAL tools? Because they are very high quality products manufactured by a company in the USA. These tools are readily available at most major low-voltage distributors around the US, Canada, and the world.

Testers

IDEAL Networks also provides the testers used for the Cat5e/6 UTP, coax, and fiber optic link testing. These are quality testers with excellent features and included in their cost is the necessary adaptors and widgets needed to test various cable types.

Where to buy the products shown in the videos

For the IDEAL products I recommend that you utilize ADI, the world's largest distributor of low-voltage devices, tools, testers, and cabling. With over one hundred locations in the US and Canada, they are a stocking distributor for IDEAL and can promptly deliver the tools and other products you will need. Visit www.adiglobal.us for more information, or just head down to your local ADI store and talk with their sales people.

For fiber optic products I highly recommend Mercommbe, an independent fully stocking passive network cable, equipment, and tester distributor located in Chicagoland. I have visited their warehouse and have viewed the over \$3 million in inventory that is available for shipment today. For fiber optic related connectors, cable, tools, and alcohol wipes as well as other network connectivity equipment for either copper UTP or fiber, call my guy Herb Eberle at Mercommbe, 847-290-0368 extension 101. Tell him Dave E. sent you and he will do his best to take care of your needs. Herb really knows these technologies and is happy to share his extensive knowledge and experience in low-voltage network connectivity. Visit their website at <http://www.mercommbe.com>.

Another reliable source for fiber optic items is Fiber Instrument Sales. Their website is <http://www.fiberinstrumentsales.com>. They are a fully stocking fiber optic supply house with knowledgeable salespeople, good pricing, and quick delivery.

The following pages have the tools and testers used in each video demonstration listed, along with their manufacturer, part number, and a place to buy them.

Cat5e/6 UTP Tools & Tester

<u>Description</u>	<u>Manufacturer</u>	<u>Part #</u>	<u>Distributor</u>
Jacket Scoring Tool	IDEAL	45-165	ADI
Electrician Scissors	IDEAL	35-088	ADI
RJ-45 Male Plugs (50 pack)	IDEAL	85-396	ADI
Plug Crimping Tool	IDEAL	30-396	ADI
Female Cat5e Jack	ICC	IC1078E5AL	ADI
110 Punch Down Tool	IDEAL	35-485	ADI
VDV II Pro Cable Tester	IDEAL	158003	ADI
Cat5e/6 Identifiers (12 pack)	IDEAL	158050	ADI

Coax Cable Tools and Tester

Coax Cutting Tool	IDEAL	45-074	ADI
Coax Preparation Tool	IDEAL	45-605	ADI
OmniSeal Compression Tool	IDEAL	30-793	ADI
Insite RG59 BNC Connectors (35pk)	IDEAL	89-5047	ADI

(Note: the above IDEAL coax tools can be purchased as a “Hip Kit” which provides some cost savings along with a belt holster to hold the tools. Part #33-793.)

VDV II Pro Cable Tester	IDEAL	158050	ADI
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Fiber Optic Connector Tools & Tester

<u>Description</u>	<u>Manufacturer</u>	<u>Part #</u>	<u>Distributor</u>
Fiber Cable 50 Teraflex OM2+	Essex		Mercommbe
Jacket Scoring Tool	IDEAL	45-165	ADI
Kevlar Scissors	IDEAL	45-344	ADI
Fiber Stripping Tool	IDEAL	45-352	ADI
Alcohol Wipes	MG Chem	824-W	Mercommbe
Fiber Cleaver	FIS	F1-6000	Fiber Inst. Sls.
Scotch Tape			Walgreens
50 micron LC “Fast” connectors	AFL	LC-MM50L-100	Mercommbe
FiberMASTER Test Meter	IDEAL	33-927	ADI
FiberMASTER Light Source	IDEAL	33-929	ADI
Fiber testing jumpers	FIS		Fiber Inst. Sls.

Fiber Optic Mechanical Splice Tools

<u>Description</u>	<u>Manufacturer</u>	<u>Part #</u>	<u>Distributor</u>
Splice Assembly Tool	3M	2501	Fiber Inst. Sls.
Mechanical Splice	3M	2529	Fiber Inst. Sls.

