Tools and Testers

Siemon offers an extensive line of test equipment and tools designed to help cabling professionals simplify the delivery of high-performance cabling systems. Including the easy-to-use and economical STM-8 and MT-5000 testers as well as testing accessories to support a wide array of cabling types and configurations, Siemon's line of cabling test equipment helps ensure that your installed layer one infrastructure performs as expected. To facilitate quick and efficient installation, Siemon delivers a full line of termination tools and toolkits, including the trusty S814 and multi-pair S110/210® punch-down tool, AllPrep™ cable preparation tool, and the innovative Z-MAX® Z-TOOL™.

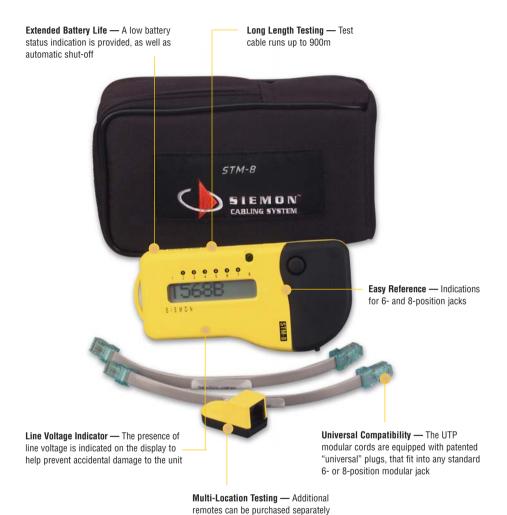
Section Contents

STM-8
STM-8 Accessories
MT-5000
25-Pair Test Adapters
MODAPT®15.3
TESTAR®
S110® Test Adapters
Z-TOOL™
S110/S210® Multi-Pair Termination Tools
S814 Impact Tool
Palm Guard
CI-KIT
CI-KIT2
AllPrep™ Cable Preparation Tool
TERA® Cable Preparation Tool
CTP/ CPT-WEB
PT-908 Crimp Tool



STM-8

The STM-8 is an economical and versatile hand-held tester designed for the testing of UTP and shielded cabling for opens, shorts, reversals, miswires, split pairs and cable length. Its rugged, state-of-the-art construction, easy-to-read LCD display and multiple remotes allow one person to quickly test and identify up to four different cable runs from one location.



1 2 3 4 5 5 7 8 1 5 6 8 8 SIENON

Tests All Wiring Configurations

Tests T568A, T568B, USOC, 10BASE-T, Token Ring, and TP-PMD wiring configurations.



Determines Unknown Wiring

In FIND mode, the STM-8 will detect and identify which wiring scheme is present in the cabling being tested.



Determines Cable Length

In the LENGTH mode, the STM-8 will determine the distance measurements on any given cable link up to 900m. This feature may be used with all four identifiable remotes.



STM-8 and STM-8-S

Part # Description

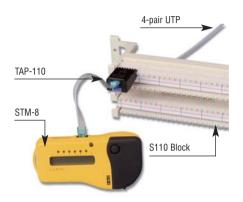
9V alkaline battery, instructions, and warranty card

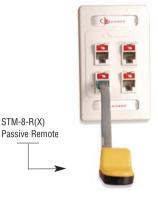
MC-8-005...... Universal plug-ended modular replacement cord

Horizontal Cross-Connect

The S110® Test Adapter can be used to test horizontal cabling that is terminated on 110-type connecting blocks









STM-8-S Shielded twisted-pair tester. Includes carrying case,

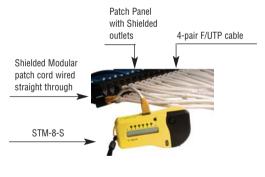
active remote, two screened modular cords,

wiring guide, 9V alkaline battery, instructions, and warranty card

MC5-S-8-005 Shielded modular replacement cord

STAGE STAGE

Horizontal Cross-Connect



Work Area Outlet



Accessories

Siemon's active remote utilizes a shielded jack for testing both UTP and shield continuity of F/UTP cabling. LEDs on remote indicate test results after each test cycle; solid green LED flash for pass and solid red LED flash for fail. Identifiable passive remotes are also available for testing multiple locations.

Active remote for UTP or F/UTP with two shielded modular cords, instructions, 3V lithium battery, and warranty card







MT-5000

The MT-5000 is a versatile, hand-held tester — it is fast, reliable, and durable. It tests opens, shorts, and miswires from 1- to 25-pairs and can accommodate a combination of 25-pair and modular jack terminations. For instance, using the 25-pair test adapter (see below), the remote unit can be attached to a 66 block that is connected to multiple horizontal cable runs in the equipment closet. Then, using the modular jack in the master unit, one person can test up to six 4-pair station cables in the work area. Cable runs of up to 762m (2,500 ft.) can be tested with accuracy.

The MT-5000 tests individual conductors, not pairs. This allows testing of all wiring configurations including USOC, T568A, and T568B.

The MT-5000 consists of a master and a remote unit. The master controls all of the test functions, so one person can perform testing. Test results are reported on a large, easy-to-read LCD display. Each unit has both male and female 25-pair connectors, one 6-position (1-, 2- or 3-pair) modular jack, and one 8-position (4-pair) keyed modular jack. The unit also features a low-battery status indicator, a power input jack, and a power saving auto-off switch. It comes in a padded, nylon carrying case with batteries included.

Part #	Description
MT-5000	Cable tester (master and remote) with case and two universal plug-ended modular cords
MC-8-005	Universal plug-ended modular replacement cord, 152 mm (6 in.)



25-Pair Test Adapters

Siemon 25-pair test adapters are designed for accessing all 25 pairs on a 66M connecting block. A positive connection ensures accurate testing with easy installation and removal. They can also be used to field-connectorize 66M blocks. Available with either male or female 25-pair connectors.

Part #	Description
TAP-50F	. 25-pair S66™ test adapter with female connector
TAP-50M	. 25-pair S66 test adapter with male connector

See page 9.23 for 25-pair cable assemblies.



MODAPT®

This modular adapter allows in-line testing for any plug/jack combination. It includes two 4-pair jacks plus a 152mm (6 in.) modular cord terminated with our patented 4-pair "universal" plug for accessing any standard 6-or 8-position jack. Individual conductors are broken out by pin number and correspond to eight separate test pads. Test equipment can be securely attached to the test pads using alligator clips. For quick reference in the field, USOC, T568A, and T568B wiring charts are printed right onto the MODAPT body. When used with Siemon's TESTAR® adapter and S110® test adapter, the MODAPT can be used to test connections on S66M and S110 blocks.

Part #	Description
MODAPT	. Test adapter with one 152mm (6 in.) 4-pair universal plug-ended modular cord
MC-8-005	. Universal plug-ended modular replacement cord, 152 mm (6 in.)



TESTAR®

The TESTAR creates easy test access to 66 quick clips. It plugs directly onto S66M blocks, establishing a positive connection and providing a 4-pair modular jack for plugging in test equipment. The body is molded in blue plastic and has molded-in finger grips for easy handling.

Part #	Description
TESTAR-8T-C5	Category 5e compatible, 4-pair, 8-position, TESTAR, T568A
TESTAR-8A-C5	Category 5e compatible, 4-pair, 8-position, TESTAR, T568B



Other TESTARs

The positive connection made by the TESTAR eliminates possible problems associated with handling alligator clips or test probes such as accidental shorting across terminals or intermittent test connections. Test equipment is inserted into the TESTAR through a 1-, 2-, 3-, or 4-pair modular jack. To utilize equipment requiring alligator clips, our MODAPT® adapter can be plugged into the TESTAR.

Part #	Description
TESTAR-2	. 1-pair, 6-position, TESTAR, USOC
TESTAR-4	. 2-pair, 6-position, TESTAR, USOC
TESTAR-6	. 3-pair, 6-position, TESTAR, USOC
TESTAR-8R1	. 4-pair, 8-position, TESTAR, USOC
TESTAR-8	. 4-pair, 8-position, TESTAR, T568B
TESTAR-8T	. 4-pair, 8-position, TESTAR, T568A

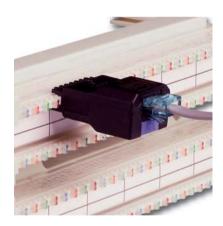


S110® Test Adapters

Siemon's 4-pair S110 test adapters provide a convenient way to test 110-type connecting blocks. These adapters plug directly onto any 110-type connecting block and provide a modular jack for connection to test equipment or patch cords. It is the only 110 style test adapter that can be attached to both terminated and unterminated 110 connecting blocks. The adapters are end-stackable, and are polarized to prevent incorrect insertion.

The adapters have an area for a colored icon (a blue and red icon are included) for additional identification. They are available in T568A and T568B wiring configurations and are category 5e compatible.

Part #	Description
TAP-110-T4	. Category 5e compatible, 4-pair, 8-position, S110 test adapter, T568A
TAP-110-A4	. Category 5e compatible, 4-pair, 8-position, S110 test adapter, T568B



Technical Tip!

The adapters utilize a unique, spring-loaded contact design to ensure a reliable connection without disturbing existing cross-connect terminations. This also extends the life-cycle of the test adapter.





Termination Tools

Z-TOOL™

The Z-TOOL is an integral part of the exclusive Z-MAX® termination process and is used with both UTP and shielded Z-MAX modules. This easy-to-use and ergonomic designed tool is used both to secure the cable retention/grounding clip and to fully enage the termination module into the back of the outlet.



S110®/S210® Multi-Pair Termination Tools

The Siemon S110/S210 multi-pair termination tool is a versatile impact tool designed to terminate and cut UTP cable, and seat connecting blocks. The impact mechanism and termination blades have been designed to reliably terminate and cut UTP cable the first time, every time. The tool features an easy to hold, ergonomically designed handle that helps reduce fatigue when trimming wire or seating connecting blocks to the wiring base.



S788J4-210.....4-pair S210 termination tool









S788J4B.....4-pair S110 replacement cutting blade and insertion assembly



4-pair S110 replacement head for impact tool, including housing, cutting blade and insertion assembly





5-pair S110 replacement cutting blade and insertion assembly





S814 Impact Tool

The S814 impact tool terminates wires on 66 and 110 clips. The tool is spring-loaded and fully adjustable; a helpful feature when working with wires of varying thicknesses. The bayonet-style mount allows the blades to be changed quickly and easily, and a compartment in the handle stores an extra blade.



Part #	Description
S814	. Tool body only
S814-66	. Tool body with 66 termination blade
S814-110	. Tool body with 110 termination blade
S81401-66	. 66 termination blade
S81401-110-88	. 110 termination blade

Technical Tip!

Termination blades for Siemon punch down tools are reversible — one end terminates and cuts off the excess wire, the other end terminates without cutting.

Palm Guard

The Siemon palm guard has been ergonomically designed to provide a safe and convenient means of terminating our flat or angled CT couplers and MAX® modules. The palm guard absorbs the impact of termination while securing the connector to prevent movement. Includes an adjustable elastic strap and a removable insert, which can be used to hold MAX modules while terminating on flat surfaces.

Part #	Description
PG	. Palm guard with MAX insert
DG-MX6	. MAX Insert



CI-KIT

The CI-KIT provides all the tools that a telecommunications technician needs for day-to-day activities. Included in the kit is an S814 impact tool with 66 and 110 termination blades, a probe pic, electrician's scissors, mini flathead screwdriver, and a CPT-WEB cable preparation tool. These tools are stored in a handy, lightweight clip-on pouch which allows the installer to cut, strip, and terminate cabling without having to carry separate tools or larger tool kits.

Part #	Description
	Clip-on tool kit with S814 impact tool (with 66 and 110 termination blades), probe pic, electrician's scissors, mini flathead screwdriver, and CPT-WEB tool
CI-POUCH	Clip-on CI-KIT tool pouch only



CI-KIT2

Siemon's CI-KIT2 includes all the components of the standard CI-KIT, with the addition of our popular AllPrep[™] cable preparation tool in place of the CPT-WEB tool. Also, a "D-Ring" has been added to carry additional tools. These tools are stored in a handy, lightweight, clip-on pouch which allows the installer to cut, strip and terminate cabling without having to carry separate tools or larger tool kits.

Part #	Description
CI-KIT2	. Clip-on tool kit with S814 impact tool (with 66 and 110 termination blades), probe pic, electrician's scissors, mini flathead screwdriver, and AllPrep cable preparation tool
CI-POUCH2	. Clip-on CI-KIT2 tool pouch only



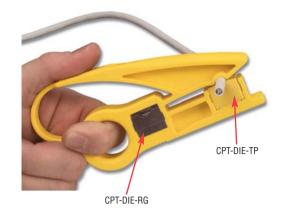
"D-Ring"



AllPrep[™] Cable Preparation Tool

The AllPrep cable preparation tool provides a robust and reliable method of preparing both coaxial and twisted-pair cable for termination. The tool features two colour-coded dies that are interchangeable for each media type. The coaxial die strips RG59 and RG6 coaxial cable and the twisted-pair die strips a wide variety of UTP, shielded and fiber cables.

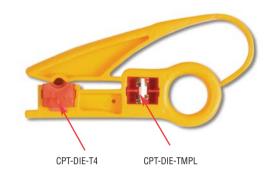
Part #	Description
CPT-RGTP	AllPrep cable preparation tool for coax/twisted pair cables
CPT-DIE-RG	Replacement coax die (black)
CPT-DIE-TP	Replacement twisted-pair die (yellow)



TERA® Cable Preparation Tool

The TERA cable preparation tool significantly reduces the time required to prepare fully shielded (S/FTP) cable. The tool includes an insert die with a blade, which is specifically designed to accurately strip the jacket and foil from 4-pair fully shielded cable without damaging the conductors. A template is also included to pre-align cable pairs and ensure proper pair positioning during termination.

Part #	Description
CPT-T	. TERA preparation tool. Includes CPT-DIE-T4 and TERA cable preparation template
CPT-DIE-T4	. Replacement TERA cable die (red)
CPT-DIE-TMPL	. Replacement TERA wiring guide (red)



CPT

The CPT provides a simple and effective method to remove the outer cable jacket from 2-, 3-, or 4-pair cables without damaging the inner conductor insulation. The CPT is recommended for use with any round cable with an exterior diameter from 2.54-6.35mm (0.1-0.25 in.) and an outer jacket thickness from 0.380-0.635mm (0.015-0.025 in.).

Part #	Description
CPT	Cable preparation tool



CPT-WEB

The CPT-WEB is designed to easily strip the outer cable jacket, flatten and separate the webbed conductors of Siemon's category 5e cross-connect jumper wire and other UTP cable with webbed conductor pairs.

Part #	Description
CPT-WEB	. Webbed cable preparation tool



PT-908 Crimp Tool

This 3-in-1 ratchet-style crimp tool cuts, strips, and crimps modular plugs on either round or flat cables. The parallel action design maintains accurate alignment of the die with the plug for a precision crimp every time. The PT-908 comes with a padded carrying case which includes a storage compartment for carrying spare dies, replacement stripper blades, and modular plugs, and will attach to a technician's belt.

Crimp tool with built-in round cable cutter/stripper, 8-position die set and padded nylon carrying case



Crimp tool with built-in round cable cutter/stripper, 8-position die set packaged in a clear plastic display case



PT-DIE-8 Replacement 8-position die set



PT-DIE-6 6-position die set



Technical Tip!

Siemon does not recommend field termination of modular cords. We recommend the use of factory-terminated and tested modular cords for any category 5e or higher application.