

identification

PRODUCTS

Easy to use, the new Spirit™ 2100 handheld, thermal transfer printer features What You See Is What You Get (WYSIWYG) label design and creation. HellermannTyton's Spirit 2100 includes an LCD screen that shows the outline of the label on the screen. Just type in the text displayed on the screen, choose from several font sizes and press the print button. It's truly simple to print labels on location or whenever you want to use a superior handheld printer.

IDENTIFICATION PRODUCTS

The ANSI/TIA/EIA-606-A standard was developed to specify the requirements for labeling the telecommunications foundation in buildings. To help fulfill these requirements, HellermannTyton offers a complete identification product line including the new Spirit™ handheld labeling system, computer printable labels, TagPrint Pro™ labeling software package and several printers, markers, signs, and label books. These identification products are designed to bring label production “in-house” to help speed production, reduce errors, and lower installation costs. HellermannTyton offers labels that work with thermal transfer, laser, ink jet, or dot matrix printers.

THERMAL TRANSFER LABELS

HellermannTyton offers thermal transfer labeling systems, including labels and printers, which print high density text. The series of thermal transfer labels are designed specifically for thermal transfer printers and provide a clean, non-smear mark. The new Spirit™ handheld labeling system also incorporates thermal transfer technology.

LASER TAG LABELS

Laser Tag labels are durable, laser printable labels for applications requiring clear, crisp legibility. They are ideal for marking copper and fiber optic cables, as well as components. The labels come on 8.5" x 11" sheets with specially designed adhesives and materials, ensuring the labels will not curl, change color or jam laser printers.



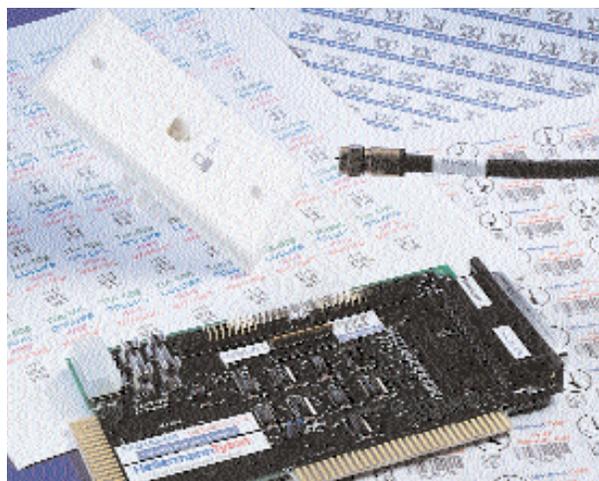
DOT MATRIX LABELS

HellermannTyton TabTags for dot matrix printers come on pin-fed, fan-folded sheets. TabTags are used to mark wire, cable and components.



INK JET LABELS

A series of technologically advanced labels for use on standard ink jet printers are available from HellermannTyton. The labels come on 8.5" x 11" sheets and are offered in a wide range of materials and sizes. When used with pigment based inks, these ink jet labels offer superior, smear resistant marks that are chemical and solvent resistant. Colors can also be printed when used on a color ink jet printer. Ink jet labels are available in polyolefin or paper.

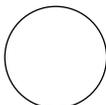
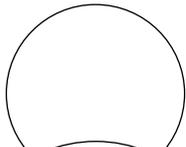
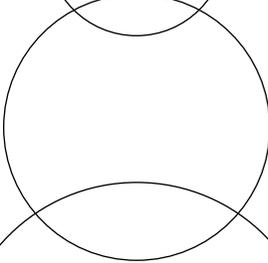
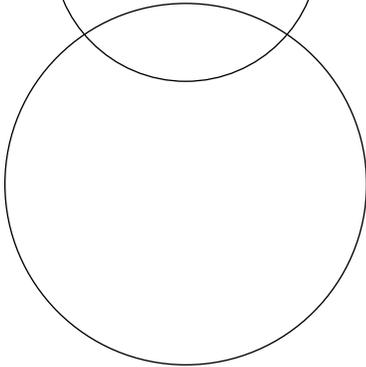


IDENTIFICATION PRODUCTS



WIRE DIAMETER GUIDE TO HELLERMANNTYTON LABELS

This guide can be used to determine which labels will work best with the wire diameter selected. Simply place the end of your wire over the appropriate circle to select the best label size.

IF YOUR WIRE OR CABLE DIAMETER IS LESS THAN OR EQUAL TO BELOW, USE:		THERMAL LABELS	LASER LABELS	DOT MATRIX LABELS
DIAMETER .10"		TAG26T6-100B TAG21T6-250 TAG51T6-100B TAG11T6-250	TAG26L-105	TAG26-100
DIAMETER .20"		TAG2T5-100B TAG22T3-100B TAG51T3-100B	TAG63L-105 TAG49L-105 TAG51L-105	TAG2-100 TAG5-100 TAG22-100
DIAMETER .28"		TAG2T5-100B TAG22T3-100B TAG28T4-250 TAG24T1-100B TAG53T2-100B TAG52T2-100B	TAG2L-105 TAG5L-105 TAG63L-105 TAG52L-105	TAG2-100 TAG5-100 TAG22-100 TAG24-100 TAG5-100 TAG25-100
DIAMETER .54"		TAG9T3-100B TAG1T1-100B TAG10T2-100B	TAG9L-105 TAG1L-105 TAG10L-105 TAG65L-105	TAG9-100 TAG10-100
DIAMETER .94"		TAG3T3-100B TAG6T1-100B	TAG50L-105 TAG64L-105	TAG3-100 TAG6-100
DIAMETER 1.40"		TAG7T1-100B		TAG4-100 TAG8-100
DIAMETER 1.9"		TAG7T1-100B TAG38T4-100B		TAG7-100 TAG8-100 TAG23-100

IDENTIFICATION PRODUCTS

ANSI/TIA/EIA-606-A-STANDARD

"To maximize legibility, all labels shall be printed or generated by a mechanical device, and shall not be written by hand."

TAGPRINT PRO™ 1.0 LABEL PRINTING SOFTWARE PROGRAM

TagPrint Pro label creation and printing software is powerful, multi-functional, and extremely easy to use. Used to provide solutions for industrial identification, TagPrint Pro speeds production and offers many options for a wide variety of labeling requirements. Barcoding (including 2-D barcoding), serialization, label sets, wire lists, graphics and text choices are just some of the capabilities of TagPrint Pro software.



- **Setting the Standard for Design** – TagPrint Pro allows the user to place graphics, text, barcodes, and lines anywhere on the label. Advanced users will like all the built-in editing tools that can be used to ensure the label looks exactly as wanted.
- **Easy to Use** – Beginners can use the built-in label design wizard to step through the entire label design process. Go from installation to printing in practically no time at all.
- **Built-in Table Database** – A built-in table allows the user to create, store and print the complicated part numbers for telecommunications installations. The highly randomized wire numbers that indicate the closet number, floor number, room number, outlet number can be stored and printed as needed, reducing the tedious data entry process that other programs require. If the numbers are sequenced, additional time and money can be saved.
- **A Cinch to Print** – TagPrint Pro can print to nearly any dot matrix, laser, ink jet, or thermal transfer printer with valid 32-bit Windows or Windows NT printer driver. Setting up the preferences for a label takes only a couple of minutes, plus all of Hellermann-Tyton's label products have been pre-defined for instant use.



HELLERMANN TYTON PART NO.	DESCRIPTION	SYSTEM REQUIREMENTS	MEDIA	PKG. QTY.
TPSPRO	TagPrint Pro 1.0 Labeling Software	Windows 95/98 or Win NT 4.0 or better, 8MB of RAM	3.5" disk	1
TPSWIN50	TagPrint 6.0 for Windows Labeling Software	Microsoft DOS 3.3 or higher, Microsoft Windows 3.1 (not compatible with Windows NT) 4MB of RAM	3.5" disk	1

TAGPRINT 6.0 LABELING SOFTWARE

HellermannTyton offers TagPrint for Windows (TagPrint 6.0) labeling software for efficient computer generated labeling. With many of the same features as TagPrint Pro, TagPrint 6.0 is recommended for users with Microsoft DOS 3.3 or higher, Microsoft Windows 3.1 or Windows 95/98, and 4 MB of RAM. TagPrint 6.0 is ideal for creating labels for wire and cable marking, terminal

block marking, communications identification, and other applications. The software is IBM compatible, very user-friendly and can be operated with dot matrix, laser and ink jet printers, as well as HellermannTyton's thermal transfer printers. If your system is not compatible with TagPrint Pro software requirements, consider using TagPrint 6.0 to handle your label printing needs.

Demos of TagPrint Pro and TagPrint 6.0 software can be downloaded from the website: www.hellermann.tyton.com. Go to products, then ID software.

IDENTIFICATION PRODUCTS

606BASICPLUS LABELING SYSTEM

HellermannTyton's 606BASICPLUS labeling system is specifically designed for marking patch panels, faceplates, closets, and racks. The 606BASICPLUS package comes with a FREE, user-friendly software program and 20 sheets of pre-cut markers made from 787C polyester material which works with laser and ink jet printers.



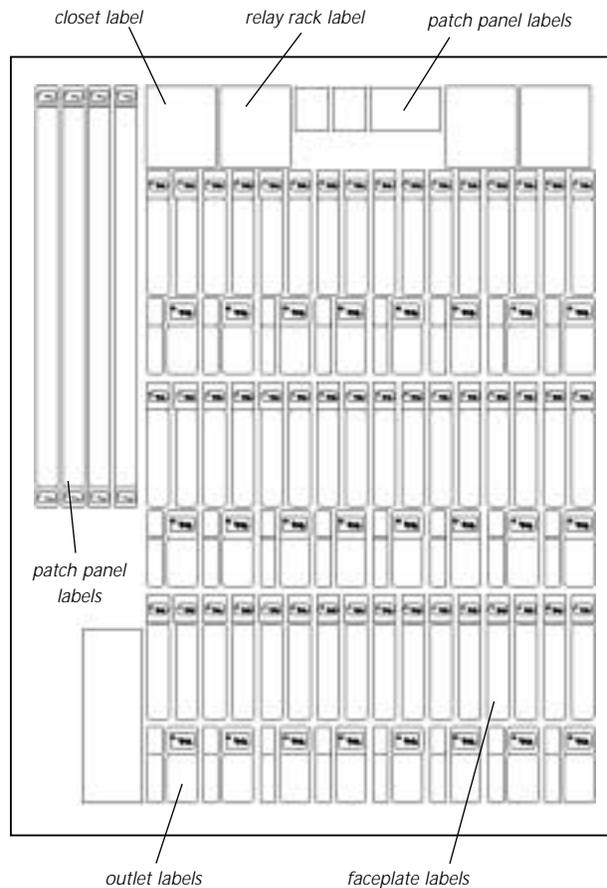
HELLERMANN TYTON PART NO.	DESCRIPTION	PKG. QTY.
606BASICPLUS	20 sheets of labels, software program. Each sheet contains labels for a 24 port patch panel, faceplates, closets, and data racks.	1

606BASICPLUS FEATURES

- **One sheet for one job** – One sheet of labels will identify a 24 port patch panel, faceplates, closets, and racks.
- **Saves Time** – The software is customized in minutes.
- **Free Software** – Every package of 606BASICPLUS includes the free software.
- **Software Requirements** – PC with Windows 95 or higher.

ANSI/TIA/EIA-606-A-STANDARD

"To maximize legibility, all labels shall be printed or generated by a mechanical device, and shall not be written by hand."



IDENTIFICATION PRODUCTS

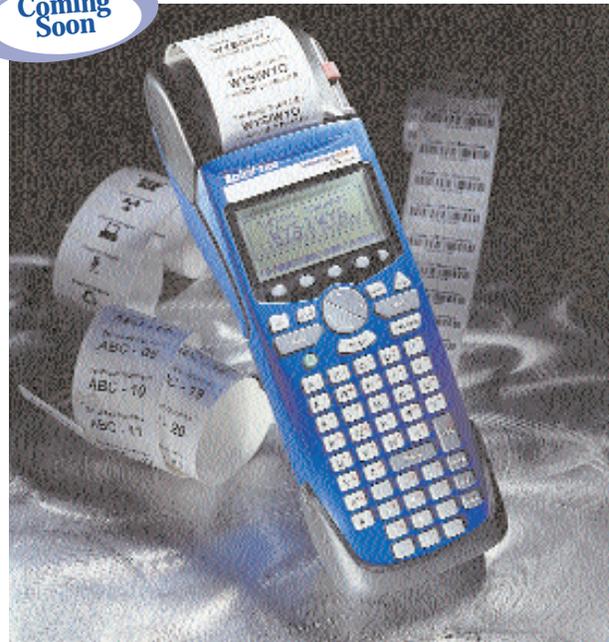
HANDHELD SPIRIT™ 2100

HellermannTyton introduces the first of its kind, Spirit 2100 handheld label printer. Easy to use, the handheld printer features What You See Is What You Get (WYSIWYG) label design and creation. HellermannTyton Spirit 2100 includes an LCD screen that shows the outline of the label on the screen. Just type in the text displayed on the screen, choose from several print sizes, and press the print button. It's that simple! The printer automatically detects the label and determines the proper size template for easy editing. The Spirit 2100 provides high quality, thermal transfer printing for permanent and highly legible label printing. Spirit 2100 prints on many different types of label material including self-laminating and cloth for wire marking, white and metalized polyester for components, and tamper evident materials for calibration and security labeling.

Features

- "What You See Is What You Get" (WYSIWYG) label design and creation. The label will print just like it looks on the screen
- Choose from normal or bold fonts to complete the label design appearance
- Easily change text sizes: tiny, normal or large text
- Left, right, or center justify text
- Automatically centers text during label edit
- Easily import graphic images into the label design
- Print with popular barcode symbologies including Code 39, Code 128
- Vertical print option
- Print serial numbers on labels with the "serial" text type. Spirit 2100 will automatically remember the last serial number printed the next time the saved label is used
- The ribbon is longer than the industry standard which translates into fewer ribbon change-overs
- Battery powered and a convenient hand strap makes the Spirit 2100 extremely portable and accessible
- Label sizes and user interface upgradable in the field
- Auto "fill" feature to copy one line of text to all other lines on the label

Coming Soon



Spirit 2100 Specifications

- 2.0" x 1.5" LCD screen
- Alphanumeric elastomer keypad
- RS-232 communications port
- 203 dpi thermal transfer printhead
- NiCad battery charger
- Label cutter
- Weight: 2.5 lbs.
- Maximum label width: 2.0"
- Memory: 68K SRAM, 128 Program memory, 256K of non-volatile storage
- Chargers available for 120V, 230V or 100V applications

Spirit Accessories

HELLERMANN TYTON PART NO.	DESCRIPTION	PKG. QTY.
BC10	Battery Charger	1
BC10EU	Battery Charger Europe - 230V, 50hz	1
BC10JP	Battery Charger Japan - 100V, 50hz	1
2100CASE	Replacement Carrying Case	1
RBP1	Battery Pack NiCad	1
2100CABLE	RS232 Interface Cable	1
2100MANUAL	Replacement Manual	1
BC10UK	Battery Charger UK 230V, 50hz	1

HELLERMANN TYTON PART NO.	DESCRIPTION	PKG. QTY.
HT2100	Spirit 2100 printer, rechargeable battery, battery charger, ribbon cartridge, TAG75H-822, printer manual, CD-Rom tutorial, hard shell case	1

Operating Temperature: +40°F to +122°F (+4°C to +50°C)
Storage Temperature: -30°F to +160°F (-34°C to +71°C)

IDENTIFICATION PRODUCTS

ANSI/TIA/EIA-606-A-STANDARD

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THERMAL TRANSFER PRINTERS

THE TT1210 PRINTER*

The HellermannTyton TT1210 printer is a thermal transfer printing system designed for medium to high volume users of HellermannTyton thermal transfer labels and Shrink-Tags.

Features

- 203 dots per inch thermal transfer printer.
- Print speed of 2" to 6" per second.
- Prints label lengths up to 11" with standard memory configuration.
- 256K SRAM / 512K Flash RAM standard.
- Upgradable to 512K SRAM / 1MB Flash RAM.
- Easy-to-load label and ribbon path.
- Sturdy metal enclosure.
- Internal rewinder standard.
- Printer is not supplied with ribbons. Order ribbons separately.

THE TT210SM PRINTER* **

The HellermannTyton TT210SM printer is a thermal transfer printing system designed for medium to low volume users of HellermannTyton thermal transfer labels and Shrink-Tags.

Features

- 203 dots per inch thermal transfer printer.
- Print speed of 1" to 2" per second.
- Prints label lengths up to 11" with standard memory configuration.
- 256K SRAM / 512K Flash RAM standard.
- Upgradable to 512K SRAM / 1MB Flash RAM.
- Easy-to-load label and ribbon path.
- Compact design.
- Printer is not supplied with ribbons. Order ribbons separately. Contact HellermannTyton for more information.

THE TT310SM PRINTER* **

The HellermannTyton TT310SM printer is a thermal transfer printing system designed for medium to low volume users of HellermannTyton thermal transfer labels and Shrink-Tags. The 300 dot per inch resolution allows for printing of smooth scalable graphics and highly defined characters.

Features

- 300 dots per inch thermal transfer printer.
- Print speed of 1" to 2" per second.
- Prints label lengths up to 10" with standard memory configuration.
- 512K SRAM / 1MB Flash RAM standard.
- Upgradable to 1MB SRAM.
- Easy to load label and ribbon path.
- Compact design.
- Printer is not supplied with ribbons. Order ribbons separately. Contact HellermannTyton for more information.

*For optimum print quality, clean the print head after every ribbon.

**The CADDY5.0 is recommended for use with the TT210SM or TT310SM printers.



TT1210 Printer



TT210SM Printer



TT310SM Printer

HELLERMANN TYTON PART NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	WEIGHT
TT1210	Thermal Transfer Printer (High Volume)	9.5"	16.75"	12.38"	26.6 lbs.
TT210SM	Thermal Transfer Printer (Lower Volume)	7.9"	9.75"	6.75"	4 lbs.
TT310SM	Thermal Transfer Printer (Lower Volume)-High Resolution	7.9"	9.75"	6.75"	4 lbs.
CADDY5.0	Caddy for TT210SM or TT310SM	—	—	—	—

The thermal transfer labels are located by application on the following pages.

IDENTIFICATION PRODUCTS

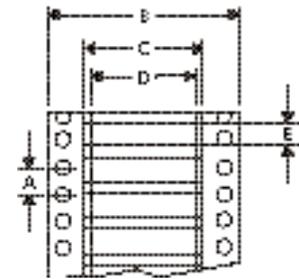
SHRINK-TAG MARKERS

HellermannTyton's Shrink-Tag system is a heatshrink identification method which makes it easy to mark wire, cable, terminals, and other components.

For efficient marking, Shrink-Tags can be printed using HellermannTyton's thermal transfer printers and the TTHST ribbons. Shrink-Tags are also pin-fed for use with selected 9 pin dot matrix printers. TagPrint software can be used with a standard dot matrix printer to print on the Shrink-Tag markers. Marks can also be made with a printer, typewriter or pen. After the Shrink-Tag is heated and shrunk, the imprint is permatized and solvent resistant.

Shrink-Tag is self-extinguishing and recognized to U.L. standard 224 for print performance, heat shock and flammability.

HellermannTyton also offers a military specified version of the Shrink-Tags, in both yellow and white, with or without perforations. When used with HellermannTyton thermal transfer printers or a dot matrix printer, these military specified Shrink-Tags meet Mil-23053/5, Class I and III, Mil. Std. 202 Method 215 (except solvent C because it is ozone depleting) and Mil, M-81531 for print performance.



Shrink-Tag Markers

Material: Flexible, radiation cross-linked polyolefin

Shrink Ratio: 3 to 1

Shrink Temp.: 212°F (100°C)

Temp. Range: -22°F to +220°F (-30°C to +105°C)

Mil-Specified version = -67°F to +275°F (-55°C to +135°C)

Rating: 600 Volts. Tensile Strength: 150 PSI.

Packaging: 250 markers per box. On a roll.

Specifications: Flammability - U.L. 224. U.L. Recognized.

Mil-Specified version = Mil-M-81531 for print performance

Mil-M-23053/5 Class I and III

MilSTD 202 Method 215 (except solvent C)

HELLERMANN TYTON PART NO.	DIMENSION IN. (MM)					DIAMETER (PER INCH)		WIRE SIZE RANGE AWG/MCM	PKG. QTY.
	A	B	C	D	E	AS SUPPLIED	USE RANGE		
THS-610BM THS-610W THS-610Y THS-610WP THS-610YP THS-610WM THS-610YM THS-610WMP THS-610MP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	.235" (5.97mm)	.125	.044 - .100	18 - 22	250 markers on a roll
THS-615BM THS-615W THS-615Y THS-615WP THS-615YP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	.312" (7.92mm)	.187	.089 - .122	12 - 18	250 markers on a roll
THS-620BM THS-620W THS-620Y THS-620WP THS-620YP THS-620WM THS-620YM THS-620WMP THS-620MP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	.42" (10.67mm)	.250	.091 - .219	10 - 16	250 markers on a roll
THS-625BM THS-625W THS-625Y THS-625WP THS-625YP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	.625" (15.870mm)	.375	.137 - .320	8 - 14	250 markers on a roll
THS-630BM THS-630W THS-630Y THS-630WP THS-630YP THS-630WM THS-630YM THS-630WMP THS-630MP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	.83" (21.00mm)	.500	.183 - .425	2 - 10	250 markers on a roll
THS-635Y THS-635W THS-635YP THS-635WP THS-635YM THS-635WM THS-635MP THS-635WMP THS-635M	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	1.20" (30.48mm)	.750	.315 - .725	6 - 0000	250 markers on a roll
THS-640Y THS-640W THS-640YP THS-640WP THS-640YM THS-640WM THS-640YMP THS-640WMP	.50" (12.70mm)	3.50" (88.90mm)	2.25" (57.15mm)	2.00" (50.80mm)	1.69" (42.93mm)	1.000	.366 - .876	1 - 400	250 markers on a roll

Y = YELLOW

W = WHITE

P = PERFORATED

M = MILITARY SPECIFIED

B = BLACK

IDENTIFICATION PRODUCTS

LABELS FOR MARKING FLAT SURFACES, PATHWAYS, RACKS, BUSBARS, TELECOMMUNICATIONS CLOSETS AND LARGE CONDUITS

PATHWAY LABELING

"Pathways shall be labeled at all endpoints located in telecommunications closets, equipment rooms, or entrance facilities. Additional labeling may be desirable at intermediate locations, or regularly spaced throughout the length of the pathway."

ANSI/TIA/EIA-606-A-STANDARD

"All labels should be of a size, color and contrast to be readily visible by those maintaining the system. Labels should be resistant to environmental conditions likely to be encountered where they are installed, such as moisture or heat, and should be designated to have a useful life equal to or greater than that of the component labeled."

HELLERMANN TYTON PART NO.	MATERIAL	PRINTER TYPE	SIZE	APPLICATION	PKG. QTY.
TAG79TI-795	Metalized Polyester	Thermal	4" x 2"	Communications Closet	500
TAG80TI-795	Metalized Polyester	Thermal	3" x 5"	Communications Closet	500
TAG72TI-822	White Polyester	Thermal	2.75" x 1.25"	Communications Closet	3,000
TAG27TI-822	White Polyester	Thermal	1.5" x .75"	Ladder Rack/Conduit/Busbar	3,000
TAG73TI-822	White Polyester	Thermal	2" x 1"	Ladder Rack/Conduit/Busbar	3,000
TAG61L-788	White Polyester Laser Tag	Laser	2.62" x 1.0"	Ladder Rack/Conduit	7,500
TAG45L-789	White Polyester Laser Tag	Laser	4.0" x 0.80"	Ladder Rack/Conduit / Splice Enclosure	5,000
TAG53L-788	White Polyester Laser Tag	Laser	8.5" x 11"	Communications Closet	250
TAG54L-788	White Polyester Laser Tag	Laser	8.5" x 5.5"	Communications Closet	500
TAG55L-788	White Polyester Laser Tag	Laser	4.25" x 5.5"	Communications Closet	1,000
TAG28J-450	White Polyolefin Ink Jet Label	Ink Jet	0.8" x 1.437"	Ladder Rack/Conduit / Busbar	1,000
TAG57J-108	White Paper Ink Jet Label	Ink Jet	4.25" x 2.75"	Communications Closet	2,000
TAG56J-108	White Paper Ink Jet Label	Ink Jet	4.0" x 3.33"	Communications Closet	1,500
TAG27-400	White Polyester Tabtag	Dot Matrix	1.5" x 0.75"	Ladder Rack/Conduit/Busbar	5,000
TAG45-400	White Polyester Tabtag	Dot Matrix	4.0" x 0.80"	Ladder Rack/Conduit / Splice Enclosure	5,000

SPACE LABELING

"All spaces shall be labeled. It is recommended that labels be affixed at the entry to a space."

Along with the line of computer printable labels, HellermannTyton offers a line of safety signs. These 7" x 10" signs are adhesive backed and made from durable R410 vinyl that features polyester overlaminate, making them suitable for indoor or outdoor use. Many signs are also available in a tough .060" thick polycarbonate. There are numerous legends available, with a sampling listed below. For additional legends, please contact HellermannTyton.

Sample Legends

HELLERMANN TYTON PART NO.	LEGEND	PKG. QTY.
DANGER SIGNS		
10063	KEEP OFF	1
10032	NO ADMITTANCE	1
10055	NO ADMITTANCE AUTHORIZED PERSONNEL ONLY	1
CAUTION SIGNS		
12032	DO NOT ENTER	1
12043	KEEP THIS SPACE CLEAR AT ALL TIMES	1
12045	NO SMOKING	1
NOTICE SIGNS		
13000	NO ENTRY UNLESS AUTHORIZED	1
13001	AUTHORIZED PERSONNEL ONLY	1

For a complete list of legends and part numbers, contact HellermannTyton.

IDENTIFICATION PRODUCTS

LABELS FOR MARKING WIRE, COPPER AND FIBER OPTIC CABLES

CABLE LABELING

"Horizontal and backbone subsystem cables shall be labeled at each end. For proper administration, additional cable labeling may be required on the cable at intermediate locations such as conduit ends, backbone splicing points, manholes, and pull boxes. It may be desirable that both end termination positions be marked on the cable or its labels."

ANSI/TIA/EIA-606-A-STANDARD

"All labels should be of a size, color and contrast to be readily visible by those maintaining the system. Labels should be resistant to environmental conditions likely to be encountered where they are installed, such as moisture or heat, and should be designated to have a useful life equal to or greater than that of the component labeled."

Copper Cables

CABLE TYPE	NOMINAL CABLE O.D.	HELLERMANNTYTON LABELS .5" - 1.0" WIDE	HELLERMANNTYTON LABELS 2" WIDE	PRINTER TYPE	LABEL LENGTH	PKG. QTY.
36 Pair Patch Cords	any type	TAG26T6-100B		Thermal	.75"	10,000
		TAG2T5-100B		Thermal	1.43"	10,000
		TAG9T3-100B		Thermal	2.25"	5,000
		TAG53T2-100B		Thermal	1.435"	2,500
		TAG26L-105 Laser Tag		Laser	.75"	5,000
		TAG50L-105 Laser Tag		Laser	.75"	1,000
		TAG49L-105 Laser Tag		Laser	1.0"	2,500
		TAG63L-105 Laser Tag		Laser	1.33"	5,000*
		TAG5L-105 Laser Tag		Laser	1.437"	5,000
		TAG52L-105 Laser Tag		Laser	1.437"	5,000
		TAG9L-105 Laser Tag		Laser	2.25"	5,000
		TAG50L-105 Laser Tag		Laser	3.19"	1,000
4 Pair 25 Pair COAX IBM TYPE I,II 50 Pair 100 Pair 300 Pair 600 Pair	.015" - .017" .310" - .340" .350" - .750" .380" - .400" .470" - .610" .675" - .760" .470" - .610" 1.40" -1.80"	TAG64L-105 Laser Tag		Laser	3.25"	1,000
		TAG9L-105 Laser Tag		Laser	2.25"	1,000
		TAG9L-105 Laser Tag		Laser	1.437"	5,000
		TAG26-100 Tab Tag		Dot Matrix	.75"	5,000
		TAG22-100 Tab Tag		Dot Matrix	1.437"	5,000
		TAG5-100 Tab Tag		Dot Matrix	1.437"	5,000
		TAG9-100 Tab Tag		Dot Matrix	1.437"	5,000*
		TAG9-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG9-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG3-100 Tab Tag		Dot Matrix	3.75"	2,500
		TAG8-100 Tab Tag		Dot Matrix	5.937"	2,500
		TAG23-100 Tab Tag		Dot Matrix	7.437"	2,500
TAG22-100 Tab Tag		Dot Matrix	1.437"	5,000		
		TAG24-100 Tab Tag		Dot Matrix	1.437"	5,000
		TAG10-100 Tab Tag		Dot Matrix	1.437"	5,000*
		TAG10-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG10-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG6-100 Tab Tag		Dot Matrix	3.75"	2,500
		TAG4-100 Tab Tag		Dot Matrix	5.937"	2,500
		TAG7-100 Tab Tag		Dot Matrix	7.437"	2,500
		TAG24-100 Tab Tag		Dot Matrix	1.437"	5,000

*Package quantity for 2" wide is 1,000 pieces.

Fiber Optic Cables

NO. OF FIBERS	NOMINAL CABLE O.D.	HELLERMANNTYTON LABELS .5" - 1.0" WIDE	HELLERMANNTYTON LABELS 2" WIDE	PRINTER TYPE	LABEL LENGTH	PKG. QTY.
Patch Cords	any type	TAG26T6-100B		Thermal	.75"	10,000
		TAG2T5-100B		Thermal	1.43"	10,000
		TAG9T3-100B		Thermal	2.25"	5,000
		TAG53T2-100B		Thermal	1.435"	2,500
		TAG26L-105 Laser Tag		Laser	.75"	5,000
		TAG51L-105 Laser Tag		Laser	.75"	5,000
		TAG49L-105 Laser Tag		Laser	1.0"	2,500
		TAG63L-105 Laser Tag		Laser	1.3"	5,000*
		TAG9L-105 Laser Tag		Laser	2.25"	1,000
		TAG50L-105 Laser Tag		Laser	3.16"	1,000
		TAG1L-105 Laser Tag		Laser	3.25"	1,000
		TAG26-100 Tab Tag		Dot Matrix	.75"	5,000
2-4 Fibers 4-12 Fibers 24 Fibers 36 Fibers	.015" - .20" .25" - .31" .41" - .55" .45" - .60"	TAG22-100 Tab Tag		Dot Matrix	1.437"	5,000
		TAG9-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG3-100 Tab Tag		Dot Matrix	3.75"	2,500
		TAG24-100 Tab Tag		Dot Matrix	1.437"	5,000
		TAG10-100 Tab Tag		Dot Matrix	2.25"	5,000*
		TAG6-100 Tab Tag		Dot Matrix	3.75"	2,500

*Package quantity for 2" wide is 1,000 pieces.

IDENTIFICATION PRODUCTS

LABELS FOR MARKING FLAT SURFACES, FACEPLATES, PATCH PANELS, RACKS, PHONES, BUSBARS AND TELECOMMUNICATIONS ROOMS

ANSI/TIA/EIA-606-A-STANDARD

"All labels should be of a size, color and contrast to be readily visible by those maintaining the system. Labels should be resistant to environmental conditions likely to be encountered where they are installed, such as moisture or heat, and should be designated to have a useful life equal to or greater than that of the component labeled."

"An identifier shall be recorded on each termination position label. Each termination position shall be labeled with the termination position identifier except in cases where high termination densities make labeling impractical."

In these cases, identifiers shall be assigned to each termination hardware unit and to the actual termination position identifier determined by the conventions used by that unit."



HELLERMANN TYTON PART NO.	MATERIAL	PRINTER TYPE	SIZE	APPLICATION	PKG. QTY.
TAG79T1-795	Metalized Polyester	Thermal	4" x 2"	Ladder/Rack/Conduit/Splice Enclosure	500
TAG80T1-795	Metalized Polyester	Thermal	3.0" x 5.0"	Communications Closet Labels	500
TAG70T12-822	White Polyester	Thermal	.25" x .25"	HellermannTyton Cat 6 Patch Cords	10,000
TAG72T1-822	White Polyester	Thermal	2.75" x 1.25"	Ladder Rack/Conduit/Busbar	3,000
TAG81T8-822	White Polyester	Thermal	.325" x .20"	HellermannTyton Cat 6 Patch Cords	5,000
TAG83T1-822	White Polyester	Thermal	4.0" x .312"	110 Block (2 per block required)	5,000
TAG11T4-822C	White Polyester	Thermal	.65" x .20"	Clear Faceplate/Outlet Labels	5,000
TAG15T3-822C	White Polyester	Thermal	1.0" x .5"	Clear Patch Panel Labels	10,000
TAGPP1T6-822C	Clear Polyester	Thermal	.625" x .333"	Clear Faceplate/Outlet Labels/Patch Panel*	1,000
TAGPP1T6-822C10M	Clear Polyester	Thermal	.625" x .333"	Clear Faceplate/Outlet Labels/Patch Panel*	10,000
TAG85T1-PAP	White - Non-adhesive	Thermal	3" x 5"	Lucent High Density Patch Panels	5,000
TAGPPIT4-822	White Polyester	Thermal	.625" x .333"	Siemen 4 Port Module Patch Panels	10,000
TAG11T4-822	White Polyester	Thermal	.65" x .20"	Circuit Boards	5,000
TAGPP1T6-822	White Polyester	Thermal	.625" x .33"	Patch Panel	1,000
TAG86T2-PAP	White Paper - Non-adhesive	Thermal	2" x .396"	HellermannTyton FPM series Faceplates	1,000
TAG62L-788	White Polyester Laser Tag	Laser	1.5" x .375"	Faceplate, Phone Number Identification	1,000
TAGPP1-788	White Polyester	Laser	.625" x .31"	Faceplate and Patch Panel	1,000
TAGPP1-788C	Clear Polyester	Laser	.625" x .31"	Faceplate and Patch Panel	1,000
TAG60L-788	White Polyester Laser Tag	Laser	2.83" x 1.5"	Protective Channel	5,250
TAG65L-105	White Polyester	Laser	.81" x .81" x 2.13"	Conductor Label	1,000
TAG55L-788	White Polyester	Laser	4.25" x 5.5"	Communications Closet Labels	1,000
TAG11L-789	White Polyester	Laser	.65" x .20"	Faceplate/Outlet Labels	5,000
TAG15L-789	White Polyester	Laser	1.0" x .5"	Patch Panel Labels	5,000
TAG45L-789	White Polyester	Laser	4.0" x .80"	Ladder Rack/Conduit/Splice Enclosure	5,000
TAGPHONE	White Paper - Non-adhesive	Laser	1.75" x .375"	Cardstock Labels	1,000
TAG110-(*)	White Paper - Non-adhesive	Laser/Ink Jet	7.9" x .475"	110 Block (*specify color)	1,000
PHONETAG	White Paper - Non-adhesive	Laser/Ink Jet	2" x .396"	HellermannTyton FPM series Faceplates	1,000
TAGPP11010	White Non-adhesive Cardstock	Laser/Ink Jet	.342" x .688"	PP110CXGXX Series Patch Panels	1,000
TAG13J-450	White Polyolefin Ink Jet	Ink Jet	.75" x .25"	Faceplate	5,000
TAGPP1J-108	White Paper Ink Jet Label	Ink Jet	.625" x .31"	Faceplate and Patch Panel	1,000
TAG18-400	White Polyester Tabtag	Dot Matrix	.5" x .437"	Patch Panel	5,000
TAG48-400	White Polyester Tabtag	Dot Matrix	.8" x .437"	Patch Panel	5,000
TAG43-400	White Polyester Tabtag	Dot Matrix	.31" x .31"	Faceplate	5,000
TAG27-400	White Polyester Tabtag	Dot Matrix	1.5" x .75"	Protective Channel/Splice Enclosure	5,000
TAGPHONE	White Paper - Non-adhesive	All Printers	1.75" x .375"	Phone Number Plate	1,000

*TAGPP1T6-822C is used with HellermannTyton 6 port Universal Patch Panels.

SPLICE LABELING/GROUND BONDING LABELING

"An identifier shall be marked on each splice closure or its label."

Splice Enclosure Labels

HELLERMANN TYTON PART NO.	MATERIAL	PRINTER TYPE	SIZE	PKG. QTY.
TAG27TTI-822	White Polyester	Thermal Transfer	1.5" x 7.5"	3,000
TAG73TI-822	White Polyester	Thermal Transfer	2" x 1"	3,000
TAG28J-450	White Polyolefin Ink Jet Label	Ink Jet	.80" x 1.437"	5,000
TAG27-400	White Polyester Tabtag	Dot Matrix	1.5" x .75"	5,000
TAG45-400	White Polyester Tabtag	Dot Matrix	4.0" x .80"	5,000

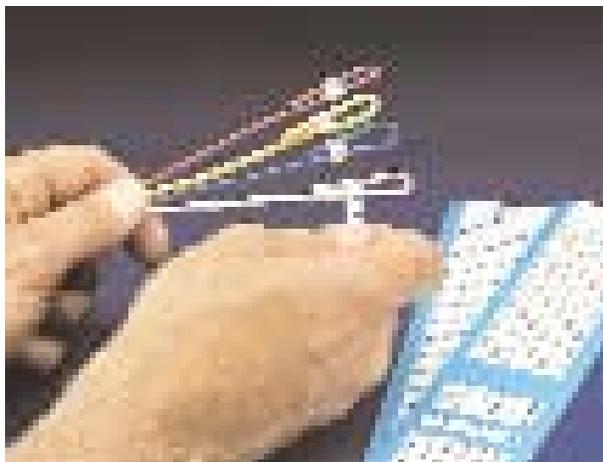
IDENTIFICATION PRODUCTS

TERMINATION POSITION LABELING

Pre-Printed Adhesive Marker Cards

HellermannTyton's Handi-Cards are easy release vinyl cloth markers supplied on a plastic card. They feature a strong adhesive which assures a long lasting bond on wire and cable. The cards contain a black legend on white background and are available in sequence with the lowest number or letter first, or the same legend on each card. The Handi-Card markers are available in individual cards, or as a Handi-Pak, a convenient pocket sized booklet.

Handi-Cards



Sequence Handi-Cards

Each marker on the card contains a different number or letter. It runs in sequence beginning with the lowest number or letter first, and ending with the highest.

HELLERMANN TYTON PART NO.	DESCRIPTION	MARKERS PER CARD	PKG. QTY.
TYHC1-33	1-33 Sequence Handi-Card	33	25 cards
TYHC34-66	34-66 Sequence Handi-Card	33	25 cards
TYHC67-99	67-99 Sequence Handi-Card	33	25 cards
TYHCA-Z	A-Z Sequence Handi-Card	33	25 cards

Solid Handi-Cards

Each marker on the card contains the same legend.

HELLERMANN TYTON PART NO.	DESCRIPTION	MARKERS PER CARD	PKG. QTY.
TYHC 0,1,2, thru 99	Same Legend Handi-Card	36	25 cards
TYHC100	Same Legend Handi-Card	25	25 cards
TYHC A,B,C, thru Z	Same Legend Handi-Card	36	25 cards
TYHC L1,L2, or L3	Same Legend Handi-Card	36	25 cards
TYHC T1,T2, or T3	Same Legend Handi-Card	36	25 cards

Handi-Paks

- Convenient pocket sized booklets
- Black non-smear legends on a white background
- Plastic coated cloth material remains flexible
- Strong adhesive assures firm bond on wire

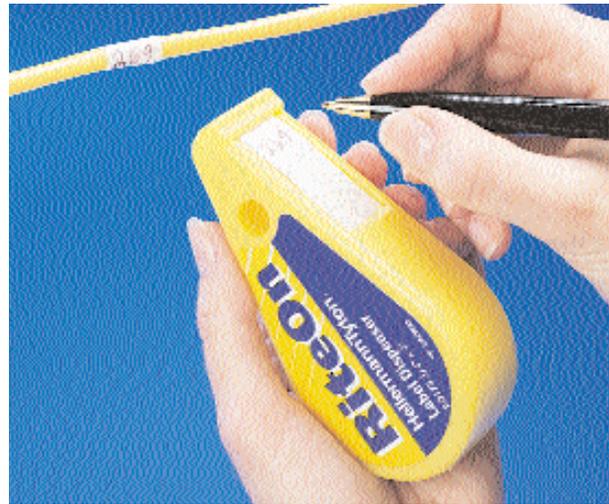


HELLERMANN TYTON PART NO.	DESCRIPTION	PKG. QTY.
TCWM1	45 Markers each #0-9	1 booklet
TCWM2	10 Markers each A-Z, 1-15, +, /	1 booklet
TCWM3	10 Markers each 1-45	1 booklet
TCWM4	150 Markers each 1, 2, 3	1 booklet
TCWM5	150 Markers each A, B, C	1 booklet
TCWM6	150 Markers each T1, T2, T3	1 booklet
TCWM7	150 Markers each L1, L2, L3	1 booklet
TCWM8	6 Markers each 1-15	
	4 Markers each 16-90	1 booklet
	2 Markers each A-Z, +, /	
TCWM9	45 Markers each 1, 2, 3, A, B, C	
	30 Markers each L1, L2, L3	1 booklet
	30 Markers each T1, T2, T3	
TCWM10	45 Markers each of 10 NEMA colors	1 booklet
TCWM11	15 Markers each #1-30	1 booklet
TCWM12	15 Markers each A-Z	
	21 Markers each POS, NEG, GND	1 booklet
	8 Markers +	
	7 Markers ±	
TCWM13	45 Markers each +, AC, DC	
	33 Markers each POS, NEG, GND	1 booklet
	27 Markers NEUT	
	21 Markers each SPARE & BLANK	
TCWM14	45 Markers each 0-9	
	15 Markers each L1, L2, L3	1 booklet
	15 Markers each T1, T2, T3	
TCWM15	10 Markers each 46-90	1 booklet
TCWM16	10 Markers each 1-33, A, B, C, +, T1, T2, T3, L1, L2, L3	1 booklet

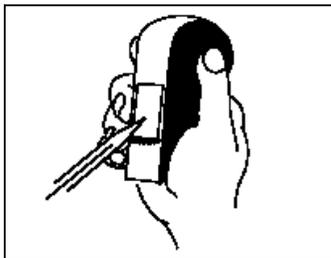
IDENTIFICATION PRODUCTS

RITE-ON MARKERS

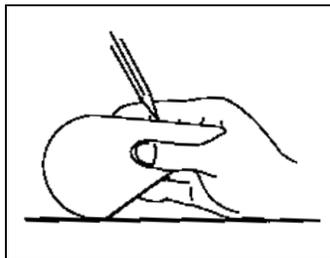
HellermannTyton's Rite-On markers come with a reusable dispenser made from high impact plastic which is resistant to oils and grease. This dispenser is loaded with self-laminating labels that have a clear tail which seals the legend under clear vinyl. The dispenser can be reloaded over and over again with refill rolls, making it a cost-effective and efficient method of labeling. For best results, use a ballpoint pen with the Rite-On system.



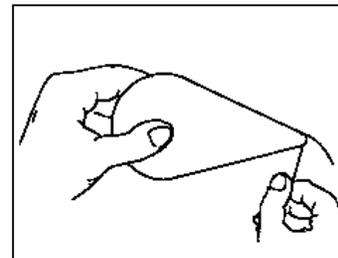
FEATURES OF RITE-ON MARKERS



- A special label window holds label firm for easy marking.



- Can be held easily in the palm of the hand to provide a flat writing surface.



- Label dispenses automatically when the liner is pulled from the front of the unit.

- Excess liner is easily cut off by tearing it over the edge guide at the front of the unit.
- Easy to reload, refills are readily available.
- Once reloaded, unit allows minimal label exposure to dust and moisture.
- Easily and conveniently fits in shirt or pants pocket.

Self-Laminating Labels and Dispenser

HELLERMANN TYTON PART NO.	WRITE-ON AREA (W X L)	MARKER SIZE (W X L)	WIRE SIZE RANGE				MARKERS PER ROLL	PKG. QTY.
			MIN. WIRE SIZE	AWG	MAX. WIRE SIZE	AWG		
RO101	3/4" x 1"	3/4" x 6"	.70"	4/0 on up	1.50"	4/0 on up	40	1 dispenser
RO175	3/4" x 3/4"	3/4" x 3"	.330"	4	.70"	4/0	90	1 dispenser
RO512	3/4" x 1/2"	3/4" x 1-7/8"	.263"	8	.330"	4	150	1 dispenser
RO514	3/4" x 5/16"	3/4" x 1-1/4"	.053"	14 ga.	.263"	8	200	1 dispenser
RO175WP*	3/4" x 3/4"	3/4" x 3"	.330"	4	.625"	4/0	90	1 dispenser

*Includes a pen.

Refill Rolls

HELLERMANN TYTON PART NO.	DESCRIPTION	WRITE-ON AREA	MARKER SIZE	MARKERS PER ROLL	PKG. QTY.
101REF	Refill Self-Laminating Marker Roll	3/4" x 1"	3/4" x 6"	40	1 Roll
175REF	Refill Self-Laminating Marker Roll	3/4" x 3/4"	3/4" x 3"	90	1 Roll
512REF	Refill Self-Laminating Marker Roll	3/4" x 1/2"	3/4" x 1-7/8"	150	1 Roll
514REF	Refill Self-Laminating Marker Roll	3/4" x 5/16"	3/4" x 1-1/4"	200	1 Roll

IDENTIFICATION PRODUCTS

ANSI/TIA/EIA-606-A-STANDARD

"Color coding of termination fields can make administration more efficient by making the cabling system more intuitive and easily understood for those maintaining the system."

TERMINATION HARDWARE LABELING

"An identifier shall be marked on each termination hardware or its label. Duplicate labeling of termination hardware located in the work area is optional."

ANSI/TIA/EIA-606-A Label Color Coding

COLOR CODE	TYPES OF TERMINATION
Orange	Central Office Termination
Green	Network Connections
Purple	Common Equipment
Gray	Second Level Backbone
Blue	Station Telecommunications Media
Brown	Interbuilding Backbone
Yellow	Miscellaneous Circuits
Red	Key Telephone Systems

TERMINATION HARDWARE LABELS

HellermannTyton's line of termination hardware labels features non-adhesive paper labels used to mark 110 wiring blocks. Color coded to meet ANSI/TIA/EIA-606-A specifications, they come on pin-fed sheets to be used on dot matrix printers; however, the pin-fed margins can also be removed to use with laser printers.



Termination Hardware Labels

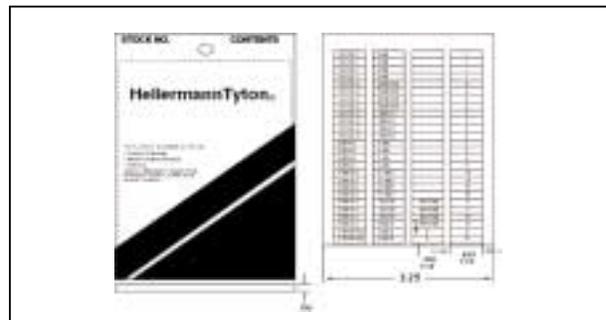
HELLERMANN TYTON PART NO.	COLOR	DIMENSIONS	PKG. QTY.
TAG110OR	Orange	7.9" x .475"	1,000 Strips
TAG110GR	Green	7.9" x .475"	1,000 Strips
TAG110PL	Purple	7.9" x .475"	1,000 Strips
TAG110GY	Gray	7.9" x .475"	1,000 Strips
TAG110BL	Blue	7.9" x .475"	1,000 Strips
TAG110BR	Brown	7.9" x .475"	1,000 Strips
TAG110YL	Yellow	7.9" x .475"	1,000 Strips
TAG110RD	Red	7.9" x .475"	1,000 Strips
TAG110WT	White	7.9" x .475"	1,000 Strips

TELECOMMUNICATIONS COMPONENT LABEL BOOK

HellermannTyton's PPTCOM booklet of telecommunications component labels can be used for ANSI/TIA/EIA-606-A installations. The booklet contains over 1,000 clear labels that are pre-printed with various symbols, characters and designations, covering the most common component labeling applications. Each label is .625" in width by .1875" in height. Each page contains the following labels:

LEGEND	QTY. PER PAGE
Voice 1	4
Voice 2	4
Voice 3	2
Voice 4	2
Data 1	4
Data 2	4
Data 3	2
Data 4	2
Printer	2
Fax	4
Modem	4
Video	4
Lan	4
E-net	4
Voice Data	3
Data	3
Phone Image	8
Computer Image	8
Modem Image	4
Phone	4
1	4
2	4
3	2
4	2
5	2
6	2
A	2
B	2
C	2
D	2
E	2
F	2

There are 10 pages, each page contains 104 markers as described above.



HELLERMANN TYTON PART NO.	LABEL DIMENSION	CONTENTS	PKG. QTY.
PPTCOM1	0.625" x 0.1875"	1,040 labels	1 Book

IDENTIFICATION PRODUCTS

"CAUTION" WRITE-ON LAMINATING TAGS

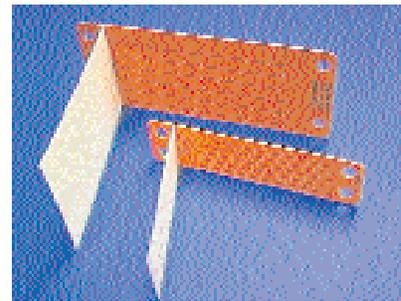
- Caution tags feature a crystal clear self-laminating plastic flap that permanently protects the writing and data marked on the tag.
- Orange or yellow, printed with black text.
- Write on them with a permanent pen (FTP1).
- Attach using standard cable ties.

HELLERMANN TYTON PART NO.	LEGEND	SIZE	COLOR	PKG. QTY.
CT2003X2	Fiber Optic Cable	3.5" x 2"	Orange	25
CT2012X2	Telephone Cable	3.5" x 2"	Yellow	25



GENERIC WRITE-ON TAGS

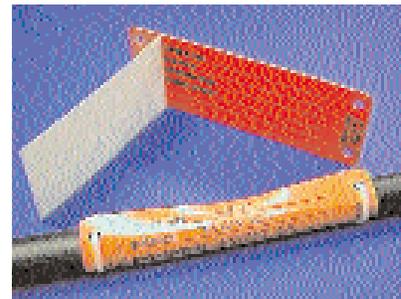
- Self-laminating clear plastic flap permanently seals in the written information.
- Orange with black pre-printed lines.
- Write on them with a permanent pen (FTP1).
- Attach using standard cable ties.



HELLERMANN TYTON PART NO.	SIZE	COLOR	PKG. QTY.
CT0753X2	3" x .75"	Orange	25
CT1503X2	4" x 1.5"	Orange	25

CABLE WRITE-ON TAGS

- Self-laminating clear plastic flap permanently seals in the written information.
- Print the cable number, destination, source and fiber count.
- Orange with black text.
- Mark with a permanent pen (FTP1) for optimum results.
- Attach with standard cable ties.

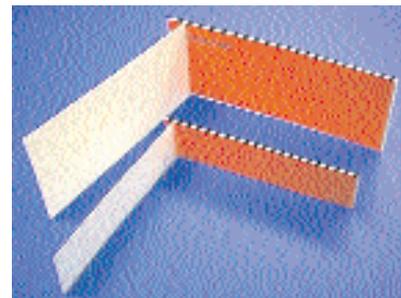


HELLERMANN TYTON PART NO.	SIZE	COLOR	PKG. QTY.
WC1503X2	4" x 1.5"	Orange	25

ADHESIVE WRITE-ON LABELS

- Self-laminating clear plastic flap permanently seals in the written information.
- Attach laminated information using the adhesive backing.
- Orange with black text.
- Mark with a permanent pen (FTP1).

HELLERMANN TYTON PART NO.	LEGEND	SIZE	COLOR	PKG. QTY.
CTA0753X2	Cable No.	3" x .75"	Orange	25
CTA1503X2	Cable No.	4" x 1.5"	Orange	25



GROUND WIRE TAGS

- A warning not to disconnect or remove ground wire.
- Orange with black text.

HELLERMANN TYTON PART NO.	LEGEND	SIZE	COLOR	PKG. QTY.
GWT003X2	Telephone	3" x 1.5"	Orange	25
GWC003X2	Cable TV	3" x 1.5"	Orange	25

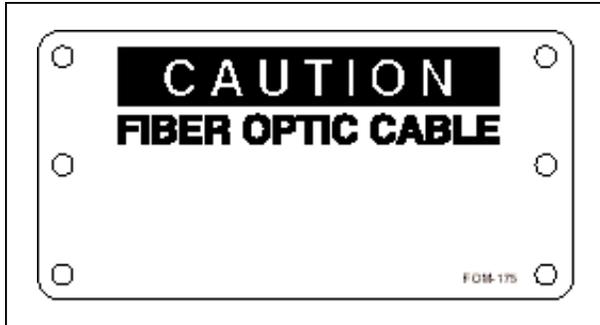


IDENTIFICATION PRODUCTS

HellermannTyton offers three markers to identify fiber optic cable. They are all bright orange in color with black text.

FIBER OPTIC CABLE MARKERS

Manufactured from .035" thick polyethylene, HellermannTyton's markers are rugged yet flexible. They are secured with standard cable ties and are easily written upon with a permanent felt tip marker.



HELLERMANN TYTON PART NO.	LENGTH	HEIGHT	PKG. QTY.
FOM-75	1.5"	.75"	25
FOM-150	2.25"	1.5"	25
FOM-175	3.5"	1.75"	25

Fiber Optic Cable Tape

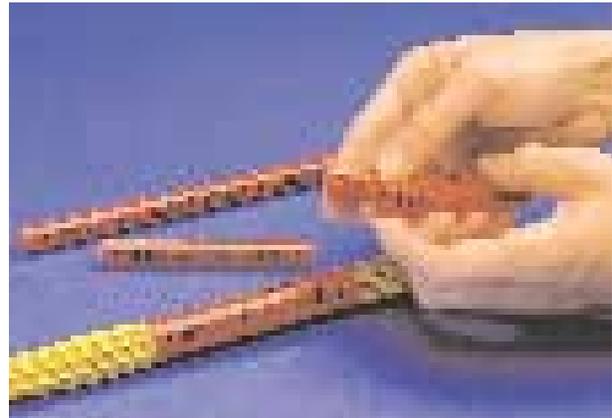
This tape comes on a roll and is designed to be used on the Lightguide Fiber Optic Protection System to identify the routing of fiber optic cable. It is a 1" wide orange vinyl with black lettering which states, "FIBER OPTIC CABLE." The legend is repeated every 6 inches.



HELLERMANN TYTON PART NO.	TEMP. RANGE	ROLL LENGTH	PKG. QTY.
TFOT-1	40PF - 200PF	54 ft.	1 roll

FIBER MARK CABLE MARKERS

Fiber Mark cable markers are a non-adhesive identification system for fiber optic cable. Produced from heavy duty, precoiled plastic, Fiber Mark cable markers can be uncoiled, then snapped into place. The text is protected by a thick layer of clear acrylic which provides UV protection and abrasion resistance. The legends on the cable markers can be customized to suit different applications. Contact HellermannTyton for more information.



HELLERMANN TYTON PART NO.	MARKER LENGTH	CABLE DIAMETER	PKG. QTY.
CMF04	4"	.490" - 1.0"	25
CMF072	7.25"	.490" - 1.0"	25