

tyco

Electronics

Energy Division

*Connecting the
World of Power*

Ready Reference Guide

Cable Accessories



Industrial Maintenance

Electrical Utilities

Insulation Products

Raychem

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Identification Solutions

Tyco Electronics offers a comprehensive line of identification systems and products that meet a broad range of requirements for a variety of industrial applications. Whether you need a stainless steel laser etched marker for a run of conduit in a manhole, low fire hazard wire markers for an electrical installation in a tunnel or pre-printed labels for cable-tray, Tyco Electronics can provide the complete solution.

Product capabilities include:

- Heat-shrinkable sleeves
- Tie-on cable markers
- Self-Laminating wraparound labels
- Cloth wire labels
- Dot matrix, thermal transfer, and laser labels
- Printed PVC cards and inserts for buttons and switches
- Thermal transfer hand-held label maker
- Pre-marked letter/number kits
- 316 stainless steel markers
- Pre-print services

40 + years of experience in the manufacturing of crosslinked polyolefin heat-shrink tubing, Tyco Electronics offers the most durable and affordable heat-shrink wire markers.



The LM2020 hand-held thermal transfer label maker offers a large assortment of media: heat-shrink tubing, UV stable tape, and self-laminating labels.



Laser engraved 316 stainless steel for the most demanding and harshest environments.

Computer Printable

Decision Criteria	ShrinkMark	HK	ShrinkMark CM cable markers	HL cable markers	MultiMark
Heat-shrinkable tubing	Yes	Yes	No	No	No
Flat label	No	No	Yes	Yes	Yes
"UL recognized (flammability)"	Yes (UL 224)	Yes (UL 224)	No	Yes (UL224)	No
CSA certified	"Yes (22.2 No. 198.1)"	"Yes (22.2 No. 198.1)"	No	No	No
Tensile strength	1200 psi min.	1200 psi min.	1500 psi min.	1400 psi min.	N/A
Ultimate elongation	150 percent min.	150 percent min.	250 percent min.	236 percent min.	N/A
Temperature range	-30°C to 105°C	-55°C to 125°C	-55°C to 125°C	-55°C to 135°C	-45°C to 70°C
Dielectric strength	500 volts/mil min.	500 volts/mil min.	500 volts/mil min.	500 volts/mil min.	N/A
Standard colors	White or Yellow	White or Yellow	White	White or Yellow	White
Nonstandard colors	Yes	Yes	No	No	No
Thermal transfer printing	Yes	No	No	No	No
Dot matrix printing	Yes	Yes**	Yes	Yes**	Yes**

MIL-Spec permanence is a function of printer/ribbon used, please contact your Tyco Electronics representative for recommended ribbon

***HK heat shrink and HL cable markers will run through specific dot matrix printers only*

Permark 316 Laser Etched Cable Marker

Temperature range	-80°C to 500°C
Abrasion resistance	Excellent - will endure the lifetime of a Permark stainless steel marker
Corrosion resistance	Excellent -hydrocarbons, organic chemicals, acids, alkalis and inorganic salt
Weather resistance	Excellent - suited for extreme weather and high levels of UV light
Material type	No4 Aisi/ASTM-A240 316Stainless Steel

Pre-Marked Products - Cold Applied

Decision Criteria	K-Type Markers (pre-marked)"	Snap-On Markers (pre-marked)"	Z-Type Markers (pre-marked)
Temperature range	- 45°C to 70°C	- 40°C to 105°C	- 45°C to 70°C
Chemical/ fluid resistance	Aircraft fuels, silicone hydraulic fluid, sea water and diesel fuel	Oils, cleaning agents, fuels, and alkaline solutions	Aircraft fuel, Propane, Silicone, Hydraulic fluid
Material type	PVC	Polyoxymethylene	PVC
Standard colors	White or Yellow	White	White
Nonstandard colors	Yes	Yes	Yes

Product Specifications

ShrinkMark heat shrink sleeves

Marking sleeves shall be fabricated from heat-shrinkable, radiation-crosslinked polyolefin. The sleeves shall have a 3:1 shrink ratio. Sleeves shall be recognized to UL standard 224 and CSA C22.2 No. 198. Sleeves shall be smear resistant prior to and after shrinking. Sleeves shall be resistant to common industrial fluids, including freon TF and isopropyl alcohol. Manufacturer shall furnish, upon request, test reports demonstrating compliance with the above requirements. Marking sleeves shall be manufactured by Tyco Electronics.

ShrinkMark Cable Markers

Cable markers shall be fabricated from radiation-crosslinked polyolefin. Markers shall be recognized to UL standard 224 and CSA C22.2 No. 198. Markers shall be notched in corners to allow attachment by cable ties or strapping. Markers shall be resistant to common industrial fluids, including freon TF and isopropyl alcohol. Manufacturer shall furnish, upon request, test reports demonstrating compliance with the above requirements. Cable markers shall be manufactured by Tyco Electronics.

Permark 316 S/S Markers

Tyco Electronics Permark 316, No4 Aisi/ASTM-A240 316 Stainless Steel, one piece ID plate. YagNg LASER ETCHED, deep surfaced marked with permanently darkened characters in high contrast to the background. No inks or paint fill. They shall be .05"/1.2 mm in thickness with no holes or 0.0125" / 3.175mm hole fixings located at .02" x 0.2" / 5 x 5 mm LxH to hole center.

Model	EPSON LQ-870	AM6310	TMS-101TT	Zebra 140XiII	Zebra 105SE	iTS Card Printer
Description	24 Pin Dot Matrix	24 Pin Dot Matrix	203 DPI Thermal Transfer	203 DPI Thermal Transfer	203 DPI Thermal Transfer	Thermal Transfer designed specifically for the iTS card stock
ShrinkMark Heat Shrink sleeves	Yes	Yes	Yes	Yes	Yes	No
HK Heat shrink sleeves	No	Yes	No	No	No	No
Self-laminating labels	Yes	Yes	Yes	Yes	Yes	No
Dot matrix and thermal transfer labels	Yes	Yes	Yes (not all labels) (see label section)	Yes	Yes	No
ITS card stock	No	No	No	No	No	Yes
ProjectMark	No	No	Yes	Yes	Yes	No
ShrinkMark-CM (cable markers)	Yes	Yes	No	No	No	No
HL (cable markers)	No	Yes	No	No	No	No
MultiMark	No	Yes	No	No	No	No
Specific Tyco Electronics Ribbons	TMS-System Six Ribbon-A (Sleeves & Labels)	1892BK00 (Sleeves & Labels)	TMS-101-TT RIBBON	TMS-RJS-Ribbon-4RPSCE (Sleeves & Labels)	TMS-RJS-Ribbon 4RPSCE (Sleeves & Labels)	Black Ribbon BBB 060SC/200
	1330-0037-00 (Labels only)	1892BK01 (Labels Only)		1330-0607-10 Good Abrasion Resistance	1330-0607-10 Good Abrasion Resistance	

Printers and ribbons have been selected to suit a wide range of identification requirements and offer excellent legibility and mark permanence. See this sections selection matrix to assist you in choosing the correct printers and ribbons for the application and product you will be using.



Epson-LQ-870

Dot Matrix Printers

Epson-LQ-870 Printer Kit. Medium volume 24-pin printer. Front loading dual tractor feeds.
 AM-6310 Printer Kit. High volume 24-pin printer. The AM-6310 is a robust printer with good print speed (4 marks per second).

Product Order Code

TMS-743-EP-LQ870-PRNT
 PKAM6310

Dot Matrix Printer Kits contain printer, cable, manual and ribbon.



TMS-101-TT

Thermal Transfer Printers

TMS-101-TT Printer Kit. Medium volume. Lightweight printer that can print sleeves and labels.
 Zebra 140Xill Printer Kit. High volume, robust printer with good print speed (5 marks per second)
 Zebra 105SE Printer Kit (w/ 1MB RAM). High volume, robust printer without a front control panel.
 iTS Card Printer (Use ITS Card Stock only). A high temperature thermal printer designed specifically for ITS card stock.

TMS-101-TT-PRINTER
 TMS-140XI2-ZEBRA-PR
 PKZE105SE
 BTT-02

Thermal Transfer Printer Kits contain printer, cable, and manual. The TMS-101-TT does include ribbon.



Dot Matrix Ribbon

Dot Matrix Ribbons

Epson-LQ-870 Heat-shrink sleeves and cable markers
 Epson-LQ-870 Labels, quick drying
 AM-6310 Heat-shrink sleeves and cable markers
 AM-6310 Labels, quick drying
 AM-242 Heat-shrink sleeves and cable markers
 AM-242 Labels, quick drying

TMS-SYSTEM-SIX-RIBBON-A
 1330-0037-00
 1892BK00
 1892BK01
 1891BK10
 1893BK20



Thermal Ribbon

Thermal Transfer Ribbons for TMS-101-TT and Zebras

TMS-101-TT Heat-shrink sleeves and labels
 Zebra Printers Heat-shrink sleeves and labels
 Zebra Printers ProjectMark and Labels needing exceptional abrasion resistance
 iTS TT Card Printer PVC or ABS card stock

TMS-101-TT-RIBBON
 TMS-RJS-Ribbon-4RPSCE
 1330-0607-10
 BBB-060SC/200

The use of Tyco Electronics ribbons will ensure mark permanence and print quality. Please contact Tyco Electronics if color and/or high performance ribbons are needed.

Ordering information

1. For assistance in choosing a printer and/or ribbons, please refer to this sections selection matrix.
2. Check with your Tyco Electronics representative for delivery and/or printer/ribbon selection information.

WinTotal software is a powerful Windows based package that makes identification marking quick and easy. The Windows environment gives access to a huge array of functions: importing files from spreadsheets, databases, and text files from CAD systems, manipulation of graphics and logos, search and replace, incremental alpha and numeric fields, and network printing options. Tyco Electronics also offers a wide range of accessories for printing and shrinking.



Software

Description	Operating System	Product Order Code
WinTotal Software	Windows 3.11, 95, 98,2000, and NT	TMS-Wintotal-Sware

Accessories

TMS-101TT Rechargeable battery pack		TMS-101-Battery Pack
Zebra-140Xi2 Cutter. Cutter attaches to Zebra and is used to cut continuous material automatically		TMS-140Zebra-Cutter
Zebra-140Xi2 E-Prom Set.		TMS-Eprom-Set
Pay-Off Cradle for Large spools of ShrinkMark Sleeves		AD-0689-9-Payoff-Cradle
Heat Gun HG-501A. 115 V. 500 F - 750 F Ideal for shrinking ShrinkMark and HK sleeves		HG-501A-Thermogun
Heat Gun HG-751A-C. 120 V. 750 F - 1000 F Hot air gun for shrinking low-voltage and thin wall tubing		HG-751A-C-Thermogun

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Ordering information

1. WinTotal is a 32-bit package that is network compatible. WinTotal is pre-loaded with all the necessary print drivers. WinTotal comes on a CD (please inform sales office if a 3.5 disk is required).
2. Software comes with instructions and licensing agreement.



LM2020

Thermal Transfer

The LM2020 portable label system is designed for an assortment of media including Tyco Electronics shrink tubing, self-laminating labels, and industrial tapes and labels. This advanced portable label system uses thermal transfer technology that provides superior print quality and mark permanence - ink dries immediately. The easy cartridge

based system offers failure-proof loading because both the media and ribbon are pre-loaded into the cartridge. The system is ideal for customers needing small volume, on-site, on-demand markers.

Selection information (dimensions in inches)

Product Description	Product Order Code
LM 2020 System - One Machine, Six rechargeable batteries, battery charger.	LM2020
Shrink Tube Cartridges	
1/8 x 100 Cartridge, White #16 - #22	LM-1/8-TUBE-WE
1/8 x 100 Cartridge, Yellow #16 - #22*	LM-1/8-TUBE-YW
3/16 x 100 Cartridge, White #12 - #18	LM-3/16-TUBE-WE
3/16 x 100 Cartridge, Yellow #12 - #18*	LM-3/16-TUBE-YW
1/4 x 100 Cartridge, White #10 - #16	LM-1/4-TUBE-WE
1/4 x 100 Cartridge, Yellow #10 - #16*	LM-1/4-TUBE-YW
1/2 x 100 Cartridge, White #1 - #12*	LM-1/2-TUBE-WE
1/2 x 100 Cartridge, Yellow #1 - #12*	LM-1/2-TUBE-YW
0.5 x 40' Industrial Tape (Image Color/Tape Color)	
Black on Clear	LM-1/2-TAPE-CR
Black on White	LM-1/2-TAPE-WE
White on Black*	LM-1/2-TAPE-BK
Black on Yellow*	LM-1/2-TAPE-YW
1 x 40' Industrial Tape (Image Color/Tape Color)	
Black on Clear	LM-1-TAPE-CR
Black on White	LM-1-TAPE-WE
White on Black*	LM-1-TAPE-BK
Black on Yellow*	LM-1-TAPE-YW
0.5 x 40' Vinyl Industrial Tape (Image Color/Tape Color)	
Black on Clear	LM-1/2-VINYL-CR
Black on White	LM-1/2-VINYL-WE
Black on Silver*	LM-1/2-VINYL-SR
Black on Blue*	LM-1/2-VINYL-BE
Black on Red*	LM-1/2-VINYL-RD
Black on Yellow*	LM-1/2-VINYL-YW
1 x 40' Vinyl Industrial Tape (Image Color/Tape Color)	
Black on Clear	LM-1-VINYL-CR
Black on White	LM-1-VINYL-WE
Black on Silver*	LM-1-VINYL-SR
Black on Blue*	LM-1-VINYL-BE
Black on Red*	LM-1-VINYL-RD
Black on Yellow*	LM-1-VINYL-YW
Self-Laminating Labels	
1 x .50 Width .25 x 1 Print Area, 230 ea. Fits #16-#22	LM-1/2-SL
1 x .75 Width .375 x 1 Print Area, 250 ea. Fits #10-#16	LM-3/4-SL
1 x 1 Width .375 x 1 Print Area, 200 ea. Fits #10-#12	LM-1-SL
1 x 1.25 Width .50 x 1 Print Area, 170 ea. Fits #8-#12*	LM-1-1/4-SL
1 x 2.50 Width .75 x 1 Print Area, 108 ea. Fits #6-#10*	LM-2-1/2-SL
1 x 4 Width 1 x 1 Printable Area, 81 each. Fits #4-#6*	LM-4-SL
Optional Accessories	
A/C Adapter (120V/230V)	LM-120/240-ADP
Hard Sided Carrying Case*	LM-CASE

**Indicates non-standard product. Call for lead time and minimum order quantities*

Ordering information

1. The cartridges listed on this page will all run in the LM2020.
2. Cartridges from the ShrinkMark Marking Kit will not run in the LM2020.
3. See length of different media in tables. Note that some quantities are non-standard and may have a minimum order quantity and longer lead-times.
4. Shrink tubing in the cartridges are UL 224 recognized and CSA C22.2 certified. Operating temperature for shrink tubing is -40°C to 135°C. Shrink tubing has a 3:1 shrink ratio.
5. Industrial tape material has an operating temp. of -40°C to 160°C. Industrial tape is ideal for flat labeling requirements. Made of polyester, industrial tape has an outdoor life of 7 years.
6. Cast Vinyl tape material has an operating temp. of -50°C to 82°C. Cast Vinyl tape is ideal for curved or irregular requirements. Made of vinyl, industrial cast tape has an outdoor life of 10 years.
7. Self-laminating labels have an operating temp. of -50°C to 82°C.
8. Please contact you local Tyco Electronics representative for delivery information and additional cartridge colors and sizes.



UL recognized to Standard 224



Certified C22.2 No. 198.1

ShrinkMark Cartridges

Cartridges and Accessories

The ShrinkMark Marking Kit is no longer available but the cartridges that fit the machine will remain available.



Selection information (dimensions in inches)

Product Description	Product Order Code
Shrink Tube Cartridges	
1/8 x 100 Cartridge, White	ShrinkMark-1/8 Cartridge
1/8 x 100 Cartridge, Yellow	ShrinkMark-CAR-1/8-Yellow
3/16 x 100 Cartridge, White	ShrinkMark-3/16 Cartridge
3/16 x 100 Cartridge, Yellow	ShrinkMark-CAR-3/16-Yellow
1/4 x 100 Cartridge, White	ShrinkMark-1/4 Cartridge
1/4 x 100 Cartridge, Yellow	ShrinkMark-CAR-1/4-Yellow
Label Tapes	
1/2 x 55' Cartridge, Clear Tape	ShrinkMark-Label Clear
1/2 x 55' Cartridge, White Tape	ShrinkMark-Label White
Optional Accessory	
120-Vac power adapter	Kroy AC Adaptor

Tyco Electronics will no longer be selling the ShrinkMark Marking Kit. All cartridges above will remain available and in inventory.

Ordering information

1. Each ShrinkMark cartridge contains 100 inches of ShrinkMark tubing. Label cartridges include 50 inches of material.
2. All ShrinkMark tubing supplied in the cartridges is UL 224 recognized and CSA C22.2 certified.
3. Please contact your Tyco Representative with any questions regarding delivery or obsolescence of the machine.



UL recognized to Standard 224



Certified C22.2 No. 198.1

ShrinkMark Heat Shrink Sleeves

Dot-Matrix and Thermal Transfer



ShrinkMark is a durable, flame-retardant, heat-shrinkable marking sleeve that is ideal for tough industrial environments, including switchgear, motor control centers, and terminal boxes. They shrink faster than conventional thermoplastic tags and offer a 3:1 shrink ratio.

Because ShrinkMark sleeves are extruded from tubes, they have a low installed

profile with no edges to snag. The crosslinked polyolefin construction makes ShrinkMark sleeves resistant to abrasion, aggressive cleaning solvents, and industrial fluids.

UL recognized to Standard 224 (file E35586) and CSA certified to C22.2 No. 198.1. Temperature range is -30°C to 105°C.

164 Selection information (dimensions in inches/millimeters)

Wire Size	Nominal Diameter	Recovered Diameter	Product Order Code Replace - 9 with - 4 if Yellow is needed	Markers/box
#22 - #18	0.125 (3)	0.042 (1)	ShrinkMark-18-2.00-9	250
#22 - #18	0.125 (3)	0.042 (1)	ShrinkMark-18-2.00-S1-9	500
#22 - #18	0.125 (3)	0.042 (1)	ShrinkMark-18-2.00-S2-9	750
#22 - #18	0.125 (3)	0.042 (1)	ShrinkMark-18-2.00-S3-9	1000
#18 - #12	0.187 (5)	0.062 (2)	ShrinkMark-12-2.00-9	250
#18 - #12	0.187 (5)	0.062 (2)	ShrinkMark-12-2.00-S1-9	500
#18 - #12	0.187 (5)	0.062 (2)	ShrinkMark-12-2.00-S2-9	750
#18 - #12	0.187 (5)	0.062 (2)	ShrinkMark-12-2.00-S3-9	1000
#16 - #10	0.250 (6)	0.083 (2)	ShrinkMark-10-2.00-9	250
#16 - #10	0.250 (6)	0.083 (2)	ShrinkMark-10-2.00-S1-9	500
#16 - #10	0.250 (6)	0.083 (2)	ShrinkMark-10-2.00-S2-9	750
#16 - #10	0.250 (6)	0.083 (2)	ShrinkMark-10-2.00-S3-9	1000
#10 - #2	0.500 (13)	0.167 (4)	ShrinkMark-2-2.00-9	250
#10 - #2	0.500 (13)	0.167 (4)	ShrinkMark-2-2.00-S1-9	500
#10 - #2	0.500 (13)	0.167 (4)	ShrinkMark-2-2.00-S2-9	750
#10 - #2	0.500 (13)	0.167 (4)	ShrinkMark-2-2.00-S3-9	1000
#1 - 250	1.00 (25)	0.333 (9)	ShrinkMark-250-2.00-9	250
#1 - 250	1.00 (25)	0.333 (9)	ShrinkMark-250-2.00-S1-9	500
#1 - 250	1.00 (25)	0.333 (9)	ShrinkMark-250-2.00-S2-9	750
#1 - 250	1.00 (25)	0.333 (9)	ShrinkMark-250-2.00-S3-9	1000
350 - 1000	1.40 (36)	0.740 (19)	ShrinkMark-1000-2.00-9	250
350 - 1000	1.40 (36)	0.740 (19)	ShrinkMark-1000-2.00-S1-9	500
350 - 1000	1.40 (36)	0.740 (19)	ShrinkMark-1000-2.00-S2-9	750
350 - 1000	1.40 (36)	0.740 (19)	ShrinkMark-1000-2.00-S3-9	1000

Part Number Example:

ShrinkMark 10 - 2.00 - S2 - 9 (1K)

Product Name

Largest nominal conductor size in range

Sleeve length in inches

Number of scores

Blank = No scores yields 1 each - 2" marker

S1 = One score yields 2 each - 1" markers per sleeve

S2 = Two scores yields 3 each - 5/8" markers per sleeve

S3 = Three scores yields 4 each - 1/2" markers per sleeve

Color

4 = Yellow

9 = White

Standard Package

Blank = 250 sleeves per box

(1K) = 1,000 sleeves per box

(2.5K) = 2,500 sleeves per box

Ordering Information

1. Select the appropriate catalog number. Selections are based on typical dimensions for low-voltage insulated cable. Confirm selection with cable dimension to assure proper sizing.
2. Standard length is 2 inches for ShrinkMark sleeves.
3. Standard colors for sleeves are white (-9) and yellow (-4).
4. Sleeves are available pre-cut scored - S1, -S2, or -S3 (for one, two, or three scores, respectively).
5. Check with your Tyco Electronics representative for delivery information.



UL recognized to
Standard 224



Certified
C22.2
No. 198.1

HK Heat-Shrink Sleeves

Dot Matrix

HK is a heat-shrink sleeve that offers the same durability of a cross-linked polyolefin marker in a fan-fold format for easy kitting and marker selection. HK meets the same UL and military requirements as ShrinkMark and is extruded for a low profile installation.

UL recognized to Standard 224 (file E35586) and CSA certified to C22.2 No. 198.1. Temperature range is -30°C to 105°C.

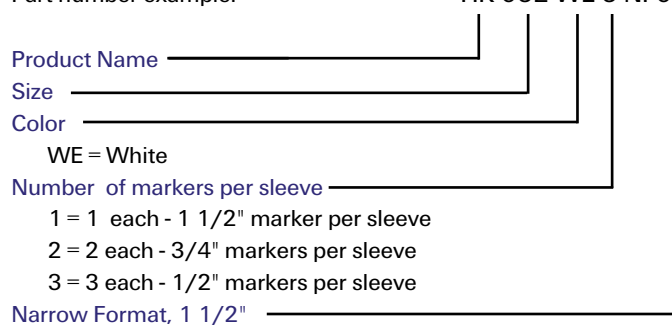


Selection information (dimensions in inches/millimeters)

Wire size	Tubing dimensions (As supplied After shrinking)	Product Order Code (Replace ** with code WE = White, YW = Yellow)	Cut length (each marker)	Markers/box
#22-#20	.125 (3.2)	HK032**1NF038X	1 ea - 1 1/2	2200
		HK032**2NF038X	2 ea - 3/4	4400
		HK032**3NF038X	3 ea - 1/2	6600
#18-#16	.188 (4.8)	HK048**1NF038X	1 ea - 1 1/2	2200
		HK048**2NF038X	2 ea - 3/4	4400
		HK048**3NF038X	3 ea - 1/2	6600
#14-#12	.250 (6.4)	HK064**1NF038X	1 ea - 1 1/2	1100
		HK064**2NF038X	2 ea - 3/4	2200
		HK064**3NF038X	3 ea - 1/2	3300
#10-#8	.375 (9.5)	HK095**1NF038X	1 ea - 1 1/2	1100
		HK095**2NF038X	2 ea - 3/4	2200
		HK095**3NF038X	3 ea - 1/2	3300
#6-#4	.500 (12.7)	HK127**1NF038X	1 ea - 1 1/2	1100
		HK127**2NF038X	2 ea - 3/4	2200
		HK127**3NF038X	3 ea - 1/2	3300
#2	.750 (19.0)	HK190**1NF038X	1 ea - 1 1/2	600
		HK190**2NF038X	2 ea - 3/4	1200
		HK190**3NF038X	3 ea - 1/2	1800
1/0-2/0	1.00 (25.4)	HK254**1NF038X	1 ea - 1 1/2	600
		HK254**2NF038X	2 ea - 3/4	1200
		HK254**3NF038X	3 ea - 1/2	1800
3/0-4/0	1.50 (38.1)	HK381**1NF038X	1 ea - 1 1/2	400
		HK381**2NF038X	2 ea - 3/4	800
		HK381**3NF038X	3 ea - 1/2	1200

Part number example:

HK 032 WE 3 NF038X



Ordering Information

1. Select the appropriate catalog number. Selections are based on typical dimensions for low-voltage insulated cable. Confirm selection with cable dimension to assure proper sizing.
2. Standard length is 1-1/2 inches for HK sleeves.
3. Standard colors for sleeves are white (WE) and yellow (YW).
4. Sleeves are available pre-cut 1, 2, or 3 (for one, two, or three markers, respectively).
5. Check with your Tyco Electronics representative for delivery information.



UL recognized to
Standard 224



Certified
C22.2
No. 198.1

Self-Laminating Labels

Dot Matrix and Laser

Self-laminating labels offer a fast and inexpensive way to identify wire and cables. Because these labels wrap over themselves, creating a seal, the printed

surface is protected from solvents and abrasives. Self-laminating labels are also available to run through standard office laser printers.



Selection information (dimensions in inches/millimeters)

Dot Matrix Labels

Maximum Cable OD	Print area Height	Label Width	Label Height	Labels per Box	Product Order Code
.12 (3)	.375 (9.5)	.50 (12.7)	.75 (19)	10,000	J-TW10F
.30 (7.6)	.50 (12.7)	.50 (12.7)	1.437 (36.5)	10,000	N-TW10F
.30 (7.6)	.50 (12.7)	.80 (20.3)	1.437 (36.5)	10,000	A-TW10F
.30 (7.6)	.50 (12.7)	1.0 (25.4)	1.437 (36.5)	10,000	O-TW10F
.30 (7.6)	.50 (12.7)	2.0 (50.8)	1.437 (36.5)	5,000	P-TW5F
.40 (10.2)	.50 (12.7)	.75 (19)	1.75 (44.5)	10,000	Q-TW10F
.48 (12.2)	.75 (19)	1.0 (25.4)	2.25 (57.2)	5,000	R-TW5F
.48 (12.2)	.75 (19)	2.0 (50.8)	2.25 (57.2)	2,500	S-TW2.5F
.78 (19.8)	.75 (19)	1.90 (48.3)	3.19 (80.5)	2,500	C1-TW2.5F
.88 (22.4)	1.0 (25.5)	1.0 (25.4)	3.75 (95.3)	2,500	T-TW2.5F
.88 (22.4)	1.0 (25.5)	2.0 (50.8)	3.75 (95.3)	2,500	U-TW2.5F
1.40 (35.5)	1.50 (38.1)	1.0 (25.4)	5.94 (151)	1,000	W1-TW1F
1.40 (35.5)	1.50 (38.1)	2.0 (50.8)	5.94 (151)	1,000	W2-TW1F
1.90 (48.3)	1.50 (38.1)	1.0 (25.4)	7.437 (189)	1,000	D1-TW1F
1.90 (48.3)	1.50 (38.1)	2.0 (50.8)	7.437 (189)	1,000	D3-TW1F

Laser Labels

Maximum Cable OD	Print area Height	Label Width	Label Height	Labels per Box	Product Order Code
.12 (3)	.37 (9.5)	.50 (12.7)	.75 (19)	156	CR-100-LSR
.30 (7.6)	.50 (12.7)	.50 (12.7)	1.50 (38.1)	78	CR-101-LSR
.12 (3)	.34 (8.6)	1.0 (25.4)	.75 (19)	84	CR-105-LSR
.12 (3)	.34 (8.6)	1.0 (25.4)	1.0 (25.4)	63	CR-106-LSR
.30 (7.6)	.50 (12.7)	1.0 (25.4)	1.33 (33.8)	49	CR-107-LSR
.78 (19.8)	.97 (24.6)	1.0 (25.4)	3.17 (80.5)	21	CR-108-LSR
.78 (19.8)	.97" (24.6)	1.88 (47.8)	3.17 (80.5)	12	CR-108-LSR

Material Type	Dot matrix and laser material specifications	Adhesive	Temp. Range
Vinyl	An excellent marker for cable, tubing or underground wiring. Designed to withstand exposure to oil, solvents and water. Supplied with a white write-on or write-off surface. UL recognized for indoor use, file MH17292, when used with a Tyco Electronics specified ribbon.	Acrylic Adhesive	-40° C to 80° C

Ordering Information

- Selections are based on the diameter of the wire. Various label widths are available - use the table to select the appropriate product order code.
- Self-laminating labels have a white printable area (dimensions are "Print Area Height" as seen in order table) with a clear over-laminate (dimensions are "Label Height" and is the entire height of the label including the white printable area).
- These labels come arranged in a fan-fold format.
- Self-laminating labels have been specifically designed for dot matrix printers or standard laser printers.
- Quick drying ribbons should be used to achieve a smear-resistant mark. These ribbons are available through Tyco Electronics. Refer to the product selection guide in this section to determine the correct ribbon for these labels. Only laser printed labels require standard laser toner.
- Check with your Tyco Electronics representative for delivery information and questions regarding ribbon selection.

Self-Laminating Labels

Thermal Transfer

Self-laminating labels are also available to run through various thermal transfer printers. These labels have been designed for standard or outside wound printers like the Zebra's.

Special labels have been designed to run through the TMS-101TT thermal transfer printer.



Selection information (dimensions in inches/millimeters)

Maximum Cable OD	Print Area Height	Label Width	Label Height	Labels/Roll	Product Order Code
.20 (5.1)	.33 (8.5)	.50 (12.7)	1.0 (25.4)	10,000	SB050100WE10X
.30 (7.6)	.50 (12.7)	.50 (12.7)	1.437 (36.5)	10,000	SB050143WE10X
.30 (7.6)	.50 (12.7)	1.0 (25.4)	1.437 (36.5)	5,000	SB100143WE5X
.30 (7.6)	.50 (12.7)	2.0 (50.8)	1.437 (36.5)	2,500	SB200143WE2.5X
.30 (7.6)	.50 (12.7)	.80 (20.3)	1.50 (38.1)	10,000	SB080150WE10X
.48 (12.2)	.75 (19)	1.0 (24.4)	2.25 (57.2)	5,000	SB100225WE5X
.48 (12.2)	.75 (19)	2.0 (50.8)	2.25 (57.2)	2,500	SB200225WE2.5X
.88 (22.4)	1.0 (25.4)	1.0 (25.4)	3.75 (95.3)	2,500	SB100375WE2.5X
.88 (22.4)	1.0 (25.4)	2.0 (50.8)	3.75 (95.3)	2,500	SB200375WE2.5X
1.40 (35.5)	1.50 (38.1)	1.0 (25.4)	5.94 (151)	1,000	SB100594WE1X
1.40 (35.5)	1.50 (38.1)	1.90 (48.3)	5.94 (151)	1,000	SB190594WE1X
1.90 (48.3)	1.50 (38.1)	2.0 (50.8)	7.437 (189)	1,000	SB200743WE1X

X = Outside Wind

Self Laminating labels for the TMS-101TT only

.20 (5.1)	.33 (8.5)	.50 (12.7)	1.0 (25.4)	5,000	SB050100WE5X-101TT
.30 (7.6)	.50 (12.7)	.50 (12.7)	1.437 (36.5)	5,000	SB050143WE5X-101TT
.30 (7.6)	.50 (12.7)	1.0 (25.4)	1.437 (36.5)	2,500	SB100143WE2.5X-101TT
.30 (7.6)	.50 (12.7)	.80 (20.3)	1.50 (38.1)	5,000	SB080150WE5X-101TT
.48 (12.2)	.75 (19)	1.0 (25.4)	2.25 (57.2)	2,500	SB100225WE2.5X-101TT
.48 (12.2)	.75 (19)	2.0 (50.8)	2.25 (57.2)	1,000	SB200225WE1X-101TT
.88 (22.4)	1.0 (25.4)	1.0 (25.4)	3.75 (95.3)	1,000	SB100375WE1X-101TT
.88 (22.4)	1.0 (25.4)	2.0 (50.8)	3.75 (95.3)	1,000	SB200375WE1X-101TT
1.40 (35.5)	1.50 (38.1)	1.0 (25.4)	5.94 (151)	500	SB100594WE0.5X-101TT
1.90 (48.3)	1.50 (38.1)	2.0 (50.8)	7.734 (189)	500	SB200743WE0.5X-101TT

Material Tpe	Dot matrix and laser material specifications	Adhesive	Temp. Range
Vinyl	An excellent marker for cable, tubing or underground wiring. Designed to withstand exposure to oil, solvents and water. Supplied with a white write-on or write-on surface. UL recognized for indoor use, file MH17292, when used with a Tyco Electronics specified ribbon.	Acrylic Adhesive	-40° C to 80° C

Ordering Information

- Selections are based on the diameter of the wire. Various label widths are available - use the table to select the appropriate product order code.
- Self-laminating labels have a white printable area (dimensions are "Print Area Height" as seen in order table) with a clear over-laminate (dimensions are "Label Height" and is the entire height of the label including the white printable area).
- Outside wind means that the label stock is facing out from its center core. This wind direction is for Zebra printers.
- Self-laminating labels have been specifically designed for the TMS-101TT. These labels have a center notch used as a calibrating reference for the TMS-101TT printer. Note the "101TT" prefix in the order code.
- Check with your Tyco Electronics representative for delivery information and questions regarding ribbon selection.

Pressure Sensitive Labels

Dot-Matrix

Tyco Electronics offers a wide range of label products for dot matrix printing applications. Several material type and adhesives are available providing guaranteed results for your application. Tyco Electronics is a UL-recognized label supplier.



Selection information (dimensions in inches/millimeters)

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Label Width	Label Height	Material	Labels per Box	OLD Product Order Code	NEW Product Order Code
.65 (16.5)	.20 (5.1)	Vinyl Cloth	10,000	1-CW10F	CW-165510-10-9
.65 (16.5)	.20 (5.1)	White Polyester	10,000	1-EW10F	EW-165510-10-9
.65 (16.5)	.20 (5.1)	Metalized Polyester	10,000	1-MS10F	MS-165510-10-9
.75 (19)	.25 (6.4)	Vinyl Cloth	10,000	3-CW10F	CW-190640-10-9
.75 (19)	.25 (6.4)	White Polyester	10,000	3-EW10F	EW-190640-10-9
.75 (19)	.25 (6.4)	Metalized Polyester	10,000	3-MS10F	MS-190640-10-9
.80 (20.3)	.50 (12.7)	White Polyester	10,000	4-EW10F	EW-203127-10-9
.80 (20.3)	.50 (12.7)	Metalized Polyester	10,000	4-MS10F	MS-203127-10-9
1.0 (25.4)	.375 (9.5)	Vinyl Cloth	10,000	5-CW10F	CW-254950-10-9
1.0 (25.4)	.375 (9.5)	White Polyester	10,000	5-EW10F	EW-254950-10-9
2.0 (50.8)	.375 (9.5)	Vinyl Cloth	5,000	6A-CW5F	CW-508950-5-9
1.0 (25.4)	.50 (12.7)	Vinyl Cloth	10,000	7-CW10F	CW-254127-10-9
1.0 (25.4)	.50 (12.7)	White Polyester	10,000	7-EW10F	EW-254127-10-9
1.0 (25.4)	.50 (12.7)	Metalized Polyester	10,000	7-MS10F	MS-254127-10-8A
1.50 (38.1)	.75 (19)	White Polyester	10,000	8-EW10F	EW-381190-10-9
1.50 (38.1)	.75 (19)	Metalized Polyester	10,000	8-MS10F	MS-381190-10-8A
.80 (20.3)	1.437 (36.5)	Vinyl Cloth	10,000	16-CW10F	CW-203365-10-9
.30 (7.6)	.75 (19)	Vinyl Cloth	10,000	17-CW10F	CW-760190-10-9
2.10 (53.3)	.25 (6.4)	White Polyester	5,000	B2-EW05F	EW-533640-5-9
.90 (22.9)	.25 (6.4)	White Polyester	10,000	B4-EW10F	EW-229640-10-9
1.55 (39.4)	.25 (6.4)	White Polyester	10,000	B6-EW10F	EW-394640-10-9
.315 (8)	.315 (8)	White Polyester	10,000	L1-EW10F	EW-800800-10-9
.25 (6.4)	.25 (6.4)	White Polyester	10,000	L2-EW10F	EW-640640-10-9
.375 (9.5)	.375 (9.5)	Vinyl Cloth	10,000	L3-CW10F	CW-950950-10-9
.375 (9.5)	.375 (9.5)	White Polyester	10,000	L3-EW10F	EW-950950-10-9
1.50 (38.1)	.25 (6.4)	Vinyl Cloth	10,000	M-CW10F	CW-381640-10-9
2.0 (50.8)	1.0 (25.4)	White Polyester	4,000	R1-EW4F	EW-508254-4-9
2.65 (67.3)	1.0 (25.4)	White Polyester	3,000	R2-EW3F	EW-673254-3-9
2.0 (50.8)	1.25 (31.8)	Metalized Polyester	3,000	R3-MS3F	MS-508318-3-8A
3.0 (76.2)	2.0 (50.8)	White Polyester	1,000	R5-EW1F	EW-762508-1-9
.50 (12.7)	.437 (11.1)	White Polyester	10,000	V1-EW10F	EW-127111-10-9
.50 (12.7)	.437 (11.1)	Metalized Polyester	10,000	V1-MP10F	MS-127111-10-8A

Pressure Sensitive Labels

Laser

Tyco Electronics also offers label products for standard laser printers.



Selection information (dimensions in inches/millimeters)

Label Width	Label Height	Material	Labels per Pack	OLD Product Order Code	NEW Product Order Code
.65 (16.5)	.20 (5.1)	White Polyester	4,800	301-LE	LE-165510-4.8-9
.80 (20.3)	.25 (6.4)	White Polyester	3,040	303-LE	LE-203640-3.04-9
.80 (20.3)	.25 (6.4)	Metalized Polyester	3,040	303-LM	LM-203640-3.04-8A
.80 (20.3)	.50 (12.7)	White Polyester	1,520	304-LE	LE-203127-1.52-9
1.0 (25.4)	.375 (9.5)	White Polyester	1,750	305-LE	LE-254950-1.75-9
1.0 (25.4)	.50 (12.7)	White Polyester	1,330	307-LE	LE-254127-1.33-9
1.0 (25.4)	.50 (12.7)	Metalized Polyester	1,330	307-LM	LM-254127-1.33-8A
1.50 (38.1)	.75 (19)	White Polyester	600	308-LE	LE-381190-0.60-9
1.0 (25.4)	.25 (6.4)	White Polyester	2,660	309-LE	LE-254641-2.66-9
1.50 (38.1)	.25 (6.4)	White Polyester	1,900	310-LE	LE-981640-1.9-9
.375 (9.5)	.375 (9.5)	White Polyester	4,000	314-LE	LE-950950-4-9
2.0 (50.8)	1.0 (25.4)	White Polyester	400	318-LE	LE-508254-0.40-9
2.0 (50.8)	1.0 (25.4)	Metalized Polyester	400	318-LM	LM-508254-0.40-8A
3.0 (76.2)	2.0 (50.8)	White Polyester	100	319-LE	LE-762508-0.10-9
3.0 (76.2)	2.0 (50.8)	White Polyester	100	319-LM	LM-762508-0.10-8A
8.50 (215)	11.0 (279)	White Polyester	10	325-LE	LE-215279-01-9
8.50 (215)	11.0 (279)	Metalized Polyester	10	325-LM	LM215279-01-8A

Material Type	Dot Matrix and Laser Material Specifications	Adhesive	Temp. Range
Vinyl Cloth	For general use in permanent and removable applications. Excellent resistance to oil, water and humidity. Less than 0.05% UV transmissibility. Cloth is ideal for irregular and round services like wire and cables.	Removable Natural Rubber	-29° C to 80° C
White and Yellow Polyester	Ideal for applications requiring exposure to vapor degreaser. Tyco ribbons provide high-integrity marking in a variety of environments. Less than 0.01% UV transmissibility. UL-Recognized and CSA accepted for legibility endurance. UL reference PGGU2, File MH14363(N). CSA guide card # 68033. Tyco specific ribbon required.	Permanent Acrylic	-54° C to 93° C
Metalized Polyester	Ideal for rating plate applications. For users who desire a metalized programmable device label. Less than 0.01% UV transmissibility. UL-Recognized and CSA accepted for legibility endurance. UL reference PGGU2, File MH14363(N). CSA guide card # 68033. Tyco Electronics' specific ribbon required.	Permanent Acrylic	-54° C to 93° C

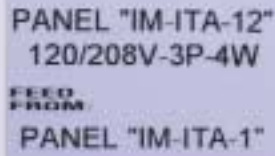
Ordering Information

1. Label dimensions are found in the order tables.
2. Labels have been specifically designed for dot matrix printers or standard laser printers.
3. Quick drying ribbons should be used to achieve a smear-resistant mark. These ribbons are available through Tyco Electronics. Refer to the product selection guide to determine the correct ribbon for these labels. Only laser printed labels require standard laser toner.
4. Check with your Tyco Electronics representative for delivery information and questions regarding ribbon selection.

Pressure Sensitive Labels

Thermal Transfer

Tyco Electronics offers a wide range of label products for thermal transfer printing applications. Several material types and adhesives are available providing guaranteed results for your application. Tyco Electronics is a UL-recognized label supplier.



PANEL "IM-ITA-12"
120/208V-3P-4W
FEED FROM
PANEL "IM-ITA-1"

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Material Type	Thermal Transfer Material Specifications	Adhesive	Temp. Range
White and Yellow Polyester	Ideal for applications requiring a white high-durability label. UL-Recognized for legibility endurance, file MH17292. CSA listed LS68033-4. Meets MIL-STD-202F.	Permanent Acrylic	-40° C to 150° C
Metalized Polyester	Ideal for rating plate applications. For users who desire a metalized label. UL-Recognized for legibility endurance, file MH17292. CSA listed LS68033-4. Meets MIL-STD-202F.	Permanent Acrylic	-40° C to 150° C
Paper	Ideal for permanent marking in milder environments when economy is required.	Permanent Rubber	-54° C to 66° C
Nylon Cloth	Excellent for irregular surfaces where conformability is desired. Label will conform to round and flexible surfaces. Ideal for wire and cables.	Permanent Acrylic	-40° C to 140° C

Ordering information

1. Label dimensions are found in the table on page 171.
2. These labels come arranged on a roll.
3. Labels have been specifically designed for thermal transfer printers.
4. Check with your Tyco Electronics representative for delivery information and questions regarding ribbon selection.

Selection information (dimensions in inches/millimeters)

Label Width	Label Height	Material	TMS-101TT	Labels per Roll	OLD Product Order Code	NEW Product Order Code
1.50 (38.1)	.25 (6.4)	Metalized Polyester	Yes	10,000	101-MP10X	MP-381640-10-9
1.50 (38.1)	.25 (6.4)	White Polyester	Yes	10,000	101-WP10X	WP-381640-10-9
1.50 (38.1)	.75 (19)	Paper	No	5,000	102-EP5X	EP-381190-5-9
1.50 (38.1)	.75 (19)	Metalized Polyester	No	5,000	102-MP5X	MP-381190-5-8A
1.50 (38.1)	.75 (19)	White Polyester	No	5,000	102-WP5X	WP-381190-5-9
1.50 (38.1)	.75 (19)	White Vinyl	No	5,000	102-WV5X	WV-381190-5-9
2.75 (70)	1.0 (25.4)	Paper	Yes	5,000	103-EP5X	EP-700254-5-9
2.75 (70)	1.0 (25.4)	Metalized Polyester	Yes	5,000	103-MP5X	MP-700254-5-8A
2.75 (70)	1.0 (25.4)	White Polyester	Yes	5,000	103-WP5X	WP-700254-5-9
3.0 (76.2)	2.0 (50.8)	Paper	Yes	2,500	104-EP2.5X	EP-762508-2.5-9
3.0 (76.2)	2.0 (50.8)	Metalized Polyester	Yes	2,500	104-MP2.5X	MP-762508-2.5-8A
3.0 (76.2)	2.0 (50.8)	White Polyester	Yes	2,500	104-WP2.5X	WP-762508-2.5-9
.75 (19)	.25 (6.4)	Metalized Polyester	No	10,000	105-MP10X	MP-190640-10-8A
.75 (19)	.25 (6.4)	White Polyester	No	10,000	105-WP10X	WP-190640-10-9
4.0 (101.6)	6.5 (165)	Paper	Yes	850	106-EP0.85X	EP-101165-0.85-9
4.0 (101.6)	6.5 (165)	White Polyester	Yes	900	106-WP0.9X	WP-101165-0.90-9
1.0 (25.4)	.50 (12.7)	Metalized Polyester	Yes	10,000	107-MP10X	MP-254127-10-8A
1.0 (25.4)	.50 (12.7)	Nylon Cloth	Yes	10,000	107-NC10X	NC-254127-10-9
1.0 (25.4)	.50 (12.7)	White Polyester	Yes	10,000	107-WP10X	WP-254127-10-9
.25 (6.4)	.25 (6.4)	White Polyester	No	10,000	108-WP10X	WP-650650-10-9
.65 (16.5)	.20 (5.1)	White Polyester	Yes	25,000	109-WP25X	WP-165510-25-9
1.0 (25.4)	.38 (9.7)	Nylon Cloth	Yes	10,000	110-NC10X	NC-254970-10-9
1.0 (25.4)	.38 (9.7)	White Polyester	Yes	10,000	110-WP10X	WP-254970-10-9
1.25 (31.8)	.25 (6.4)	White Polyester	Yes	10,000	111-WP10X	WP-318640-10-9
2.0 (50.8)	.25 (6.4)	White Polyester	Yes	10,000	112-WP10X	WP-508640-10-9
2.0 (50.8)	.50 (12.7)	Nylon Cloth	Yes	5,000	114-NC5X	NC-508127-5-9
2.0 (50.8)	.5 (12.7)	White Polyester	Yes	10,000	114-WP10X	WP-508127-10-9
1.0 (25.4)	1.0 (25.4)	Metalized Polyester	Yes	10,000	115-MP10X	MP-254254-10-8A
1.0 (25.4)	1.0 (25.4)	White Polyester	Yes	10,000	115-WP10X	WP-254254-10-9
.375 (9.5)	.375 (9.5)	White Polyester	Yes	10,000	116-WP10X	WP-950950-10-9
2.0 (50.8)	1.25 (31.8)	Paper	Yes	2,500	117-EP2.5X	EP-508318-2.5-9
2.0(50.8)	1.25 (31.8)	Metalized Polyester	Yes	2,500	117-MP2.5X	MP-508318-2.5-8A
2.0 (50.8)	1.25 (31.8)	White Polyester	Yes	2,500	117-WP2.5X	WP-508318-2.5-9
3.0(76.2)	1.50 (38.1)	Paper	Yes	2,500	118-EP2.5X	EP-762381-2.5-9
3.0 (76.2)	1.50 (38.1)	Metalized Polyester	Yes	2,500	118-MP2.5X	MP-762381-2.5-8A
3.0 (76.2)	1.50 (38.1)	White Polyester	Yes	2,500	118-WP2.5X	WP-762381-2.5-9
4.0 (101.6)	2.50 (63.5)	Paper	Yes	2,500	119-EP2.5X	EP-101635-2.5-9
4.0 (101.6)	2.50 (63.5)	White Polyester	Yes	2,500	119-WP2.5X	WP-101635-2.5-9
4.0 (101.6)	2.50 (63.5)	Metalized Polyester	Yes	2,500	119-MP2.5X	MP-101635-2.5-8A
2.06 (52.3)	3.31 (84.1)	White Polyester	Yes	1,500	121-WP1.5X	WP-523841-1.5-9
.50 (12.7)	.437 (11.1)	White Polyester	Yes	10,000	122-WP10X	WP-127111-10-9
2.0 (50.8)	1.0 (25.4)	Paper	Yes	5,000	123-EP5X	EP-508254-5-9
2.0 (50.8)	1.0(25.4)	Metalized Polyester	Yes	5,000	123-MP5X	MP-508254-5-8A
2.0 (50.8)	1.0 (25.4)	White Polyester	Yes	5,000	123-WP5X	WP-507254-5-9
4.0 (101.6)	2.0 (50.8)	Paper	Yes	2,500	125-EP2.5X	EP-101508-2.5-9
4.0 (101.6)	3.0 (76.2)	Paper	Yes	1,800	126-EP1.8X	EP-101762-1.8-9
4.0 (101.6)	4.0 (101.6)	Paper	Yes	1,300	127-EP1.3X	EP-101101-1.3-9
3.0 (76.2)	5.0 (127)	Paper	No	1,000	128-EP1X	EP-762127-1.0-9
.90 (22.9)	.25 (6.4)	White Polyester	Yes	10,000	129-WP10X	WP-229640-10-9
.80 (20.3)	.50 (12.7)	Metalized Polyester	No	10,000	130-MP10X	MP-203127-10-8A
.80 (20.3)	.50 (12.7)	White Polyester	No	10,000	130-WP10X	WP-203127-10-9
1.50 (38.1)	.08 (2)	White Polyester	Yes	10,000	132-WP10X	WP-381200-10-9
1.50 (38.1)	.25 (6.4)	White Polyester	Yes	10,000	133-WP10X	WP-381640-10-9
.65 (16.5)	.20 (5.1)	White Polyester	No	25,000	134-WP25X	WP-165510-25-9
.157 (4)	.157 (4)	White Polyester	No	25,000	136-WP25X	WP-400400-25-9
.45 (11.4)	.157 (4)	White Polyester	No	25,000	137-WP25X	WP-114400-25-9
.315 (8)	.315 (8)	White Polyester	No	10,000	138-WP10X	WP-800800-10-9
.70 (17.8)	.375 (9.5)	White Polyester	No	10,000	139-WP10X	WP-178950-10-9

ProjectMark Continuous Polyester

Thermal Transfer



ProjectMark is a durable high strength polyester material that can be used as warning and service labels, rating plates, and to identify cable trays and conduit runs. All of these labels can be created on-site, on -demand.

ProjectMark is also available with a 15 year UV over-coat which is ideal for harsh outdoor requirements. Tyco Electronics provides this as a pre-print service.

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Selection information (dimensions in inches/millimeters)

Product Description	Product Order Code
TTPA - High Tack Acrylic Adhesive	
2.0 (50.0) Wide Polyester tape 100 foot roll	TTPA200**-10
3.0 (75.0) Wide Polyester tape 100 foot roll	TTPA300**-10
4.0 (100.0) Wide Polyester tape 100 foot roll	TTPA400**-10

Note: ** All order codes must indicate color code in place of asterisks (**) as follows:

Standard Colors: WE=White, MP=Metalized

Non-Standard Colors: OE=Orange, GN=Green, BE=Blue, RD=Red, BK=Black, YW=Yellow, CL=Clear

TTP - Standard Acrylic Adhesive	
2.0 (50.0) Wide Polyester tape 100 foot roll	TTP200**-10
3.0 (75.0) Wide Polyester tape 100 foot roll	TTP300**-10
4.0 (100.0) Wide Polyester tape 100 foot roll	TTP400**-10

Note: ** All order codes must indicate color code in place of asterisks (**) as follows:

Standard Colors: WE=White, MP=Metalized, CL=Clear

Non-Standard Colors: OE=Orange, GN=Green, BE=Blue, RD=Red, BK=Black

Material Type	Thermal Transfer Material Specifications	Adhesive	Temp. Range
Polyester All Colors	Ideal for applications requiring a high-durability label. UL-94 rating. Meets weathering resistant requirements of MIL-P-38477A. Meets MIL-STD-202F.	Acrylic Adhesive	-20°C to 150°C
Polyester with high tack adhesive	Ideal for applications requiring a high durability label with a high tack adhesive. UL-94 rating. Meets weathering resistant requirements of MIL-P-38477A. Meets MIL-STD-202F.	High Tack Acrylic Adhesive	-20°C to 150°C

Ordering Information

1. Selections are based on the desired size and color of the label.
2. ProjectMark stock comes continuous on a 100 foot spool.
3. Standard white ProjectMark has a 5-7 year outdoor life. Text may begin to fade after this time.
4. All ProjectMark colors and widths are available with a UV over-laminated coating that provides UV protection for at least 15 years. This is a Tyco Electronics provided service that requires us to pre-print the markers for you. We require that a list of the labels be sent to us via e-mail in a spreadsheet format. We will then kit and ship the labels to your specifications.
5. Please contact your Tyco Electronics representative for delivery and pre-print information.

iTS Card System

Thermal Transfer

The iTS card system allows you to produce high quality equipment identification plates, rating plates and inserts within frames, cases, buttons and switches. iTS card stock comes with a high-performance adhesive back or pre-drilled for rivet or screw fixed requirements. iTS card stock is a great alternative to engraved signs.

Using high temperature thermal transfer technology, the specially designed iTS Card Printer produces a 300 DPI quality sign. The resin ribbons ensure an abrasion, solvent, and chemical resistant product. The small printer size allows for fast and flexible in-house sign production.



Selection information (dimensions in inches/millimeters)

Sign Dimensions	Card Dimensions	Card Thickness	Signs/card	Product order code
BGS Equipment Identification Labels. Adhesive				
0.354 x 0.590 (9 x 15)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	36	BGS009015-**05##10
0.433 x 0.708 (11 x 18)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	25	BGS011018-**05##10

BBK Self Adhesive Marking Signs. Adhesive				
0.484 X 1.509 (12.3 X 26.9)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	14	BBK012027-**05##10
0.484 x 2.118 (12.3 x 53.8)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	7	BBK012054-**05##10
0.528 x 1.457 (13.4 x 37)	2.118 x 4.370 (53.8 x 111)	0.019 (0.5)	12	BBK013037-**05##10
0.528 x 1.693 (13.4 x 43)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	8	BBK013043-**05##10
0.591 x 2.118 (15 x 53.8)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	6	BBK015054-**05##10
0.571 x 3.268 (14.5 x 83)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	3	BBK015083-**05##10
0.693 x 1.059 (17.6 x 26.9)	2.118 x 4.465 (53.8 x 88)	0.019 (0.5)	10	BBK018027-**05##10
0.709 x 2.047 (18 x 52)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	5	BBK018052-**05##10
1.059 x 1.693 (26.9 x 43)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	4	BBK027043-**05##10
1.059 x 3.386 (26.9 x 86)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	2	BBK027086-**05##10
2.118 x 3.397 (53.8 x 100)	2.118 x 3.397 (53.8 x 100)	0.019 (0.5)	1	BBK054100-**05##10
2.118 x 5.906 (53.8 x 150)	2.118 x 5.906 (53.8 x 150)	0.019 (0.5)	1	BBK054150-**05##10
2.118 x 7.874 (53.8 x 200)	2.118 x 7.874 (53.8 x 200)	0.019 (0.5)	1	BBK054200-**05##10

Materials: ABS (**=AB), PVC (**=PV); Color: white (##=WE) or yellow (##=GE); Adhesive: 10=Superglue No. 10

BBL Marking Signs Drilled for Fixing. Non Adhesive				
0.484 X 1.509 (12.3 X 26.9)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	14	BBL012027-**05##23
0.484 x 2.118 (12.3 x 53.8)	2.118 x 3.386 (53.8 x 86)	0.019 (0.5)	7	BBL012054-**05##23
0.528 x 1.457 (13.4 x 37)	2.118 x 4.370 (53.8 x 111)	0.019 (0.5)	12	BBL013037-**05##23
0.591 x 2.118 (15 x 53.8)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	5	BBL015054-**05##23
0.709 x 2.047 (18 x 52)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	6	BBL018027-**05##23
2.118 x 3.397 (53.8 x 100)	2.118 x 3.397 (53.8 x 100)	0.019 (0.5)	1	BBL054100-**05##43
2.118 x 5.906 (53.8 x 150)	2.118 x 5.906 (53.8 x 150)	0.019 (0.5)	1	BBL054150-**05##43
2.118 x 7.874 (53.8 x 200)	2.118 x 7.874 (53.8 x 200)	0.019 (0.5)	1	BBL054200-**05##43

Materials: ABS (**=AB), PVC (**=PV); Color: white (##=WE) or yellow (##=GE); Holes: 23=2 holes, 0.118" (3mm) diameter, 43=4 holes, 0.118: (3mm) diameter

Selection information continues on next page.

Selection information (dimensions in inches/millimeters)

BET Insert Strips for Buttons and Switches.

Standard-punched buttons

1.181 x 1.614 (30 x 41)	2.118 x 3.543 (53.8 x 90)	0.019 (0.5)	3	BET030041-PV05SIID
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Materials: PV=PVC; Color: SI= silver; Adhesive: Superglue No. 10; Inner diameter: ID=0.874" (12.2 mm)

Klockner-Moeller buttons and switches

0.315 x 1.059 (8 x 26.9)	2.118 x 3.465 (53.8 x 88)	0.019 (0.5)	22	BET008027-PV05SI00
0.693 x 1.059 (17.6 x 26.9)	2.118 x 3.465 (53.8 x 88)	0.019 (0.5)	10	BET018027-PV05SI00

Materials: PV=PVC; Color: SI= silver, 00= Non Adhesive

Telemecanique buttons and switches

0.315 x 1.059 (8 x 26.9)	2.118 x 3.465 (53.8 x 88)	0.019 (0.5)	22	BET008027-PV05SI00
0.748 x 1.059 (18.9 x 26.9)	2.118 x 3.465 (53.8 x 88)	0.019 (0.5)	6	BET019027-PV05SI10

Materials: PV=PVC; Color: SI= silver, 00= Non Adhesive, 10= Superglue No. 10

Siemens-Signum buttons and switches

0.488 x 1.062 (12.4 x 27)	2.118 x 4.133 (53.8 x 105)	0.019 (0.5)	9	BET012027-PV05SI10
0.866 x 0.866 (22 x 22)	2.118 x 3.937 (53.8 x 100)	0.019 (0.5)	6	BET022022-PV05SI10
1.062 x 1.062 (27 x 27)	2.118 x 3.937 (53.8 x 100)	0.019 (0.5)	3	BET027027-PV05SI10

Materials: PV=PVC; Color: SI= silver, 10= Superglue No. 10

Allen-Bradley buttons and switches

0.629 x 1.062 (16 x 27)	2.118 x 3.77 (53.8 x 96)	0.019" (0.5)	12	BET016027-PV05SI10
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Materials: PV=PVC; Color: SI= silver, 10= Superglue No. 10

iTS Technical Data

Material Type	Resistance	Tensile Strength	Elongation at Break	Temp. Rating
ABS - Acrylonitrile Butadien Styrol. ZERO HALOGEN	Most oils and greases, water, alcohol, acid; alkaline	48 N/mm	12%	-30°C to 80°C
PVC - Polyvinyl Chloride UV STABILIZED	Water, humidity, alcohol, cleaners, industrial chemicals	51 N/mm	50%	-22°C to 78°C
Superglue No.10 Adhesive No EFFECT FROM UV	Most mineral oils, greases, fuels, degreasents, acids, alkaline	902 N/m	N/A	-40°C to 85°C

Ordering Information

1. Sign dimensions are based on the individual sign size required. Most are comprised of several pre-scored signs to produce several signs per card.
2. Standard pack for all iTS card stock is 300 card pieces - not signs.
3. These products are specially designed to be printed on by the iTS Card Printer only.
4. Contact your local Tyco Electronics representative for deliveries, additional dimensions, and colors.

ShrinkMark-CM and HL Cable Markers

Dot matrix

Both ShrinkMark-CM and HL cable markers provide a reliable method of identification of larger cables and bundles. They can be installed using standard nylon tie wraps.



Selection information (dimensions in inches/millimeters)

Marker Length	Marker Width	Markers/Pack	Product Order Code
ShrinkMark -CM Cable Markers			
2.00 (50)	0.250 (6)	250	ShrinkMark-CM-25-4H-9
2.00 (50)	0.500 (13)	250	ShrinkMark-CM-50-4H-9
2.00 (50)	0.500 (13)	250	ShrinkMark-CM-50-6H-9

ShrinkMark-CM has a 4 hole (4H) or 6 hole (6H) design to allow for additional attachment methods.

Marker Length	Print Length	Marker Height	Markers/Pack	Product Order Code
HL Cable Markers				
1-3/4	1	3/8	550	HL104WE1NF025B
1-3/4	1	3/4	550	HL203WE1NF025B
1-3/4	1	1	300	HL253WE1NF025B
2	1-1/4	3/8	550	HL104WE1NF033B
2	1-1/4	3/4	550	HL203WE1NF033B
2	1-1/4	1	300	HL253WE1NF033B
2-1/4	1-3/4	3/8	550	HL104WE1NF038B
2-1/4	1-3/4	3/4	550	HL203WE1NF038B
2-1/4	1-3/4	1	300	HL253WE1NF038B
2-3/4	2	3/8	550	HL104WE1NF050B
2-3/4	2	3/4	550	HL203WE1NF050B
2-3/4	2	1	300	HL253WE1NF050B
3-1/2	2-3/4	3/8	550	HL104WE1NF070B
3-1/2	2-3/4	3/4	550	HL203WE1NF070B
3-1/2	2-3/4	1	300	HL253WE1NF070B

Ordering Information

1. Select the appropriate catalog number. Selections are based on the size and attachment notches.
2. ShrinkMark-CM's come in a spool format with two sizes: 1/4 and 1/2 widths. Standard length is 2 inches. Standard color is white (-9).
3. HL Markers come fan-folded with several different sizes. Standard color is white (WE).
4. Check with your Tyco Electronic representative for delivery information.



MultiMark Markers

Dot Matrix

Protected by a clear PVC carrier that slides onto the cable, MultiMark is ideal for post-termination identification or when re-labeling is required. MultiMark is a two part system: Markers are arranged on fan-fold paper and can be

printed using a dot matrix printer. The printed marker then slides into the PVC carrier already installed on the cable.

Selection information (dimensions in inches)

MultiMark

Marker length	Marker height	Markers per pack	Product order codes
0.425	0.160	792	0825**05
0.425	0.160	1848	0825**06
0.625	0.160	880	0825**01
0.625	0.160	1760	0825**02
1.250	0.160	880	0825**03
1.250	0.160	1760	0825**04

***Note: All orders codes must indicate color code in place of asterisks (**) as follows: 94 = Yellow, 99 = White*

MultiMark Carriers

For cable diameter in inches	Carriers Per pack	Carrier length	Product order codes
.070 - .157 Size 0	1200	0.640	0825016
.070 - .157 Size 0	600	1.280	0825032
.098 - .236 Size 2	800	0.640	0825216
.098 - .236 Size 2	400	1.280	0825232
.204 - .315 Size 4	400	0.640	0825416
.204 - .315 Size 4	200	1.280	0825432

Ordering information

1. Selections are based on the outside diameter of the wire or cable. Choose the appropriate MultiMark carrier and length desired.
2. Selections of the MultiMark are based on the MultiMark carrier selected.
3. MultiMark and the MultiMark carriers are ordered separately.
4. Standard colors are white (99) and yellow (94).
5. Check with your Tyco Electronics representative for delivery information.

K-Type Markers and Carrier Strips

Pre-Marked

K-Type markers and carrier strips are ideal for identifying large cables, conduit and pipes, either before or after termination. The standard carrier has slotted ends allowing fastening with cable ties or cable strapping.

Selection information

K-Type Marks A-Z, 0-9,(+),(-),(/), phase, earth, and blank.

Marker Colors	Package Quantity	Product Order Code
White or Yellow	500	See Table below
Color Coded Numbers	500	See Table below
Carrier Strips		
7 Digit Carrier Strip Order # 11320000	500	11320000
12 Digit Carrier Strip Order # 11310000	500	11310000
18 Digit Carrier Strip Order # 11300000	250	11300000

Note: Markers come in a single size that slide onto carrier strips.

Mark	White (WE) Reel	Yellow (YW) Reel	Color Code Reel
0	13611900	13611400	13611000
1	13611901	13611401	13611101
2	13611902	13611402	13611202
3	13611903	13611403	13611303
4	13611904	13611404	13611404
5	13611905	13611405	13611505
6	13611906	13611406	13611606
7	13611907	13611407	13611707
8	13611908	13611408	13611808
9	13611909	13611409	13611909
A	13611910	13611410	
B	13611911	13611411	
C	13611912	13611412	
D	13611913	13611413	
E	13611914	13611414	
F	13611915	13611415	
G	13611916	13611416	
H	13611917	13611417	
I	13611918	13611418	
J	13611919	13611419	
K	13611920	13611420	
L	13611921	13611421	
M	13611922	13611422	
N	13611923	13611423	
O	13611924	13611424	
P	13611925	13611425	
Q	13611926	13611426	
R	13611927	13611427	
S	13611928	13611428	
T	13611929	13611429	
U	13611930	13611430	
V	13611931	13611431	
W	13611932	13611432	
X	13611933	13611433	
Y	13611934	13611434	
Z	13611935	13611435	
+	13611936	13611436	
-	13611937	13611437	
/	13611938	13611438	
PHASE	13611939	13611439	
GROUND	13611940	13611440	
)	13611941	13611441	
BLANK	13611942	13611442	



Ordering Information

1. Selections are based on the character printed on each marker (a single number, letter, or symbol is printed on a single marker), and the color (standard colors are white and yellow). Use the order code table to select the appropriate product order code. Entire quantity will contain the same number, letter, and character chosen.
2. K-Type markers come in a single size and are arranged stranded together on a reel.
3. 3 different length carrier strips are available
4. Color-coding is also available for markers 0-9. Colors correspond to the number printed on each marker. 0 = Black, 1 = Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Violet, 8 = Gray, 9 = White
5. Example: If you wanted to color code the numbers 2 and 3 the order code would be: 13611202 (A Red Marker with a black "2") 13611303 (An Orange Marker with a black "3")
6. Check with your Tyco Electronics representative for delivery information.



Snap-On Markers

Pre-Marked

Snap-On markers represent the best snap-on wire marking system available. Convenient and easy to use, these markers are supplied on a wand applicator that simplifies and reduces installation time.

Selection information (dimensions in inches)

Marker Size	For Cable Diameters	Wand Color	Marker Quantity
30 markers per wand - 10 wands per pack			
01	0.040 - 0.056	Brown	300
02	0.056 - 0.072	Gray	300
03	0.076 - 0.104	Green	300
06	0.104 - 0.140	Red	300
09	0.140 - 0.180	Blue	300
12	0.180 - 0.240	Yellow	300

Sizes 15 - 24 come in loose packs. Dispenser wand purchased separately.

15	0.232 - 0.340	-	50
17	0.340 - 0.460	-	50
21	0.433 - 0.610	-	50
24	0.590 - 0.750	-	50

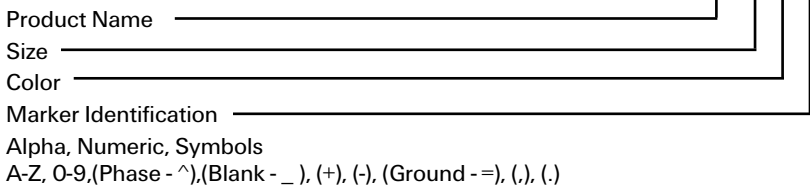
Standard color is white (W), but color coding is available for markers 0 - 9.

Blue = BE	Green = GN
Black = BK	Orange = OE
Brown = BN	Yellow = Y
Violet = VT	Red = RD
White = W	

Ordering Reference

Marker Part Number:

STD06W-A



Wand Part Number (for sizes 15 - 24):

ST15MO



Ordering information

1. Selections are based on the diameter of the wire. Use the order code tables to select the product order code. Order codes are determined by the color (standard colors are white and yellow), wire size, and character printed on each marker (a single number, letter, or symbol is printed on a single marker). Entire quantity will contain the same number, letter, or character chosen.
2. Marker sizes 1 - 12 come arranged on a wand. Wands are color coded based on size to allow for easy re-ordering of the same size marker. Ten (10) wands per pack. Each wand has 30 markers - 300 markers per pack.
3. Marker sizes 15 - 24 come arranged in loose packs and a separate wand dispenser is needed to deliver marker onto wire. Marker sizes 15 - 24 come 50 to a loose pack.
4. Color-coding is also available for markers 0 - 9. Colors correspond to the number printed on each marker. 0 = Black, 1 = Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Violet, 8 = Gray, 9 = White
5. Example: If you wanted to color code a Size 6 Marker for the numbers 2 and 3 the order code would be: STD06RD-2 (A Red Marker with a black "2")
STD06OE-3 (An Orange Marker with a black "3")
6. Check with your Tyco Electronics representative for delivery information.

Z-Type Markers

Pre-Marked

Z-Type markers have a gusseted design that allows each marker to fit firmly over a wide range of cable diameters. Markers either come on reels or in loose packs. Applicator tools are also available to ease manual installation.

ZMarkers - Refer to Order Code Table for part numbers.

Marker Size	For Cable Diameters in inches	Package Quantity
Size 5	0.059 - 0.079	1,000
Size 7	0.079 - 0.126	1,000
Size 9	0.098 - 0.157	1,000
Size 11	0.114 - 0.185	1,000
Size 13	0.134 - 0.224	1,000
Size 15	0.150 - 0.248	1,000
Size 18	0.169 - 0.272	500
Size 23	0.217 - 0.350	500
Size 35	0.311 - 0.500	250

Marks A-Z, 0-9, +, -, /, phase, ground, and blank. *Z-Markers come on reels in White and Yellow. Z-Markers also come in loose packs in White or in Color coded number (0-9 only) *

Applicator Tool & Selection Box

Size 5, .275 Tool	12550000	Each
18 Selection Marker Box	18560000	Each

Note: Order Code Table begins below and continues on page 180 - 183.

Mark	Size 5			
	White		Yellow	
	Box	Reel	Reel	Box*
0	05801900	05803900	05803400	05801100
1	05801901	05803901	05803401	05801101
2	05801902	05803902	05803402	05801202
3	05801903	05803903	05803403	05801303
4	05801904	05803904	05803404	05801404
5	05801905	05803905	05803405	05801505
6	05801906	05803906	05803406	05801606
7	05801907	05803907	05803407	05801707
8	05801908	05803908	05803408	05801808
9	05801909	05803909	05803409	05801809
A	05801910	05803910	05803410	—
B	05801911	05803911	05803411	—
C	05801912	05803912	05803412	—
D	05801913	05803913	05803413	—
E	05801914	05803914	05803414	—
F	05801915	05803915	05803415	—
G	05801916	05803916	05803416	—
H	05801917	05803917	05803417	—
I	05801918	05803918	05803418	—
J	05801919	05803919	05803419	—
K	05801920	05803920	05803420	—
L	05801921	05803921	05803421	—
M	05801922	05803922	05803422	—
N	05801923	05803923	05803423	—
O	05801924	05803924	05803424	—
P	05801925	05803925	05803425	—
Q	05801926	05803926	05803426	—
R	05801927	05803927	05803427	—
S	05801928	05803928	05803428	—
T	05801929	05803929	05803429	—
U	05801930	05803930	05803430	—
V	05801931	05803931	05803431	—
W	05801932	05803932	05803432	—
X	05801933	05803933	05803433	—
Y	05801934	05803934	05803434	—
Z	05801935	05803935	05803435	—
+	05801936	05803936	05803436	—
-	05801937	05803937	05803437	—
/	05801938	05803938	05803438	—
Phase	05801939	05803939	05803439	—
Ground	05801940	05803940	05803440	—
)	05801941	05803941	05803441	—
Blank	05801942	05803942	05803442	—



Ordering Information

1. Selections are based on the diameter of the wire. Use the order code tables to select the product order code. Order codes are determined by the color (standard colors are white and yellow), wire size, character printed on each marker (a single number, letter, or symbol is printed on a single marker), and the arrangement of the markers (markers come packed loose in boxes or stranded together on a spool). Entire quantity will contain the same number, letter, and character chosen.
2. An applicator tool is available for Size 5 (0.059 - 0.079) to assist in installation of small markers.
3. An 18 compartment selection box is also available for loose markers.
4. Color-coding is also available for markers 0-9. Colors correspond to the number printed on each marker. 0 = Black, 1 = Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Violet, 8 = Gray, 9 = White
5. Example: If you have determined that your wire diameter is 0.080 inches, you need the number 5 printed on each marker, the marker color is to be white, and you want your markers arranged on a spool, your part number would be: 05813905
6. Check with your Tyco Electronics representative for delivery information.

Mark	Size 7				Size 9			
	White		Yellow		White		Yellow	
	Box	Reel	Reel	Box*	Box	Reel	Reel	Box*
0	05811900	05813900	05813400	05811000	06151900	06153900	06153400	06151000
1	05811901	05813901	05813401	05811101	06151901	06153901	06153401	06151101
2	05811902	05813902	05813402	05811202	06151902	06153902	06153402	06151202
3	05811903	05813903	05813403	05811303	06151903	06153903	06153403	06151303
4	05811904	05813904	05813404	05811404	06151904	06153904	06153404	06151404
5	05811905	05813905	05813405	05811505	06151905	06153905	06153405	06151505
6	05811906	05813906	05813406	05811606	06151906	06153906	06153406	06151606
7	05811907	05813907	05813407	05811707	06151907	06153907	06153407	06151707
8	05811908	05813908	05813408	05811808	06151908	06153908	06153408	06151808
9	05811909	05813909	05813409	05811809	06150909	06153909	06153409	06151909
A	05811910	05813910	05813410	--	06151910	06153910	06153410	--
B	05811911	05813911	05813411	--	06151911	06153911	06153411	--
C	05811912	05813912	05813412	--	06151912	06153912	06153412	--
D	05811913	05813913	05813413	--	06151913	06153913	06153413	--
E	05811914	05813914	05813414	--	06151914	06153914	06153414	--
F	05811915	05813915	05813415	--	06151915	06153915	06153415	--
G	05811916	05813916	05813416	--	06151916	06153916	06153416	--
H	05811917	05813917	05813417	--	06151917	06153917	06153417	--
I	05811918	05813918	05813418	--	06151918	06153918	06153418	--
J	05811919	05813919	05813419	--	06151919	06153919	06153419	--
K	05811920	05813920	05813420	--	06151920	06153920	06153420	--
L	05811921	05813921	05813421	--	06151921	06153921	06153421	--
M	05811922	05813922	05813422	--	06151922	06153922	06153422	--
N	05811923	05813923	05813423	--	06151923	06153923	06153423	--
O	05811924	05813924	05813424	--	06151924	06153924	06153424	--
P	05811925	05813925	05813425	--	06151925	06153925	06153425	--
Q	05811926	05813926	05813426	--	06151926	06153926	06153426	--
R	05811927	05813927	05813427	--	06151927	06153927	06153427	--
S	05811928	05813928	05813428	--	06151928	06153928	06153428	--
T	05811929	05813929	05813429	--	06151929	06153929	06153429	--
U	05811930	05813930	05813430	--	06151930	06153930	06153430	--
V	05811931	05813931	05813431	--	06151931	06153931	06153431	--
W	05811932	05813932	05813432	--	06151932	06153932	06153432	--
X	05811933	05813933	05813433	--	06151933	06153933	06153433	--
Y	05811934	05813934	05813434	--	06151934	06153934	06153434	--
Z	05811935	05813935	05813435	--	06151935	06153935	06153435	--
+	05811936	05813936	05813436	--	06151936	06153936	06153436	--
-	05811937	05813937	05813437	--	06151937	06153937	06153437	--
/	05811938	05813938	05813438	--	06151938	06153938	06153438	--
Phase	05811939	05813939	05813439	--	06151939	06153939	06153439	--
Ground	05811940	05813940	05813440	--	06151940	06153940	06153440	--
)	05811941	05813941	05813441	--	06151941	06153941	06153441	--
Blank	05811942	05813942	05813442	--	06151942	06153942	06153442	--

*Color Coding options available for all numbers only (0 - 9). Marker color corresponds to

International Standard:

Color Code	Color
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE

EXAMPLE: If you want to Color Code a Size 9 Marker with the number 5 the order code would be: 0615505 (A Green Marker with a black "5")

Mark	Size 11				Size 13			
	White		Yellow		White		Yellow	
	Box	Reel	Reel	Box*	Box	Reel	Reel	Box*
0	06161900	06163900	06163400	06161000	06171900	06173900	06173400	06171000
1	06161901	06163901	06163401	06161101	06171901	06173901	06173401	06171101
2	06161902	06163902	06163402	06161202	06171902	06173902	06173402	06171202
3	06161903	06163903	06163403	06161303	06171903	06173903	06173403	06171303
4	06161904	06163904	06163404	06161404	06171904	06173904	06173404	06170304
5	06161905	06163905	06163405	06161505	06171905	06173905	06173405	06171505
6	06161906	06163906	06163406	06161606	06171906	06173906	06173406	06171606
7	06161907	06163907	06163407	06161707	06171907	06173907	06173407	06171707
8	06161908	06163908	06163408	06161808	06171908	06173908	06173408	06171808
9	06161909	06163909	06163409	06161809	06171909	06173909	06173409	06171809
A	06161910	06163910	06163410	—	06171910	06173910	06173410	—
B	06161911	06163911	06163411	—	06171911	06173911	06173411	—
C	06161912	06163912	06163412	—	06171912	06173912	06173412	—
D	06161913	06163913	06163413	—	06171913	06173913	06173413	—
E	06161914	06163914	06163414	—	06171914	06173914	06173414	—
F	06161915	06163915	06163415	—	06171915	06173915	06173415	—
G	06161916	06163916	06163416	—	06171916	06173916	06173416	—
H	06161917	06163917	06163417	—	06171917	06173917	06173417	—
I	06161918	06163918	06163418	—	06171918	06173918	06173418	—
J	06161919	06163919	06163419	—	06171919	06173919	06173419	—
K	06161920	06163920	06163420	—	06171920	06173920	06173420	—
L	06161921	06163921	06163421	—	06171921	06173921	06173421	—
M	06161922	06163922	06163422	—	06171922	06173922	06173422	—
N	06161923	06163923	06163423	—	06171923	06173923	06173423	—
O	06161924	06163924	06163424	—	06171924	06173924	06173424	—
P	06161925	06163925	06163425	—	06171925	06173925	06173425	—
Q	06161926	06163926	06163426	—	06171926	06173926	06173426	—
R	06161927	06163927	06163427	—	06171927	06173927	06173427	—
S	06161928	06163928	06163428	—	06171928	06173928	06173428	—
T	06161929	06163929	06163429	—	06171929	06173929	06173429	—
U	06161930	06163930	06163430	—	06171930	06173930	06173430	—
V	06161931	06163931	06163431	—	06171931	06173931	06173431	—
W	06161932	06163932	06163432	—	06171932	06173932	06173432	—
X	06161933	06163933	06163433	—	06171933	06173933	06173433	—
Y	06161934	06163934	06163434	—	06171934	06173934	06173434	—
Z	06161935	06163935	06163435	—	06171935	06173935	06173435	—
+	06161936	06163936	06163436	—	06171936	06173936	06173436	—
-	06161937	06163937	06163437	—	06171937	06173937	06173437	—
/	06161938	06163938	06163438	—	06171938	06173938	06173438	—
Phase	06161939	06163939	06163439	—	06171939	06173939	06173439	—
Ground	06161940	06163940	06163440	—	06171940	06173940	06173440	—
)	06161941	06163941	06163441	—	06171941	06173941	06173441	—
Blank	06161942	06163942	06163442	—	06171942	06173942	06173442	—

*Color Coding options available for all numbers only (0-9). Marker color corresponds to International Standard:

Color Code	Color
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE

EXAMPLE: If you want to Color Code a Size 9 Marker with the number 5 the order code would be: 0615505 (A Green Marker with a black "5")

Mark	Size 15				Size 18			
	White		Yellow		White		Yellow	
	Box	Reel	Reel	Box*	Box	Reel	Reel	Box*
0	06181900	06183900	06183400	06181000	06201900	06203900	06203400	06201000
1	06181901	06183901	06183401	06181101	06201901	06203901	06203401	06201101
2	06181902	06183902	06183402	06181202	06201902	06203902	06203402	06201202
3	06181903	06183903	06183403	06181303	06201903	06203903	06203403	06201303
4	06181904	06183904	06183404	06181404	06201904	06203904	06203404	06201404
5	06181905	06183905	06183405	06181505	06201905	06203905	06203405	06201505
6	06181906	06183906	06183406	06181606	06201906	06203906	06203406	06201606
7	06181907	06183907	06183407	06181707	06201907	06203907	06203407	06201707
8	06181908	06183908	06183408	06181808	06201908	06203908	06203408	06201808
9	06181909	06183909	06183409	06181909	06201909	06203909	06203409	06201809
A	06181910	06183910	06183410	—	06201910	06203910	06203410	—
B	06181911	06183911	06183411	—	06201911	06203911	06203411	—
C	06181912	06183912	06183412	—	06201912	06203912	06203412	—
D	06181913	06183913	06183413	—	06201913	06203913	06203413	—
E	06181914	06183914	06183414	—	06201914	06203914	06203414	—
F	06181915	06183915	06183415	—	06201915	06203915	06203415	—
G	06181916	06183916	06183416	—	06201916	06203916	06203416	—
H	06181917	06183917	06183417	—	06201917	06203917	06203417	—
I	06181918	06183918	06183418	—	06201918	06203918	06203418	—
J	06181919	06183919	06183419	—	06201919	06203919	06203419	—
K	06181920	06183920	06183420	—	06201920	06203920	06203420	—
L	06181921	06183921	06183421	—	06201921	06203921	06203421	—
M	06181922	06183922	06183422	—	06201922	06203922	06203422	—
N	06181923	06183923	06183423	—	06201923	06203923	06203423	—
O	06181924	06183924	06183424	—	06201924	06203924	06203424	—
P	06181925	06183925	06183425	—	06201925	06203925	06203425	—
Q	06181926	06183926	06183426	—	06201926	06203926	06203426	—
R	06181927	06183927	06183427	—	06201927	06203927	06203427	—
S	06181928	06183928	06183428	—	06201928	06203928	06203428	—
T	06181929	06183929	06183429	—	06201929	06203929	06203429	—
U	06181930	06183930	06183430	—	06201930	06203930	06203430	—
V	06181931	06183931	06183431	—	06201931	06203931	06203431	—
W	06181932	06183932	06183432	—	06201932	06203932	06203432	—
X	06181933	06183933	06183433	—	06201933	06203933	06203433	—
Y	06181934	06183934	06183434	—	06201934	06203934	06203434	—
Z	06181935	06183935	06183435	—	06201935	06203935	06203435	—
+	06181936	06183936	06183436	—	06201936	06203936	06203436	—
-	06181937	06183937	06183437	—	06201937	06203937	06203437	—
/	06181938	06183938	06183438	—	06201938	06203938	06203438	—
Phase	06181939	06183939	06183439	—	06201939	06203939	06203439	—
Ground	06181940	06183940	06183440	—	06201940	06203940	06203440	—
)	06181941	06183941	06183441	—	06201941	06203941	06203441	—
Blank	06181942	06183942	06183442	—	06201942	06203942	06203442	—

*Color Coding options available for all numbers only (0 - 9). Marker color corresponds to International Standard:

Color Code	Color
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE

EXAMPLE: If you want to Color Code a Size 9 Marker with the number 5 the order code would be: 0615505 (A Green Marker with a black "5")

Marker	Size 23				Size 35			
	White		Yellow		White		Yellow	
	Box	Reel	Reel	Box*Box	Reel	Reel	Box*	
0	06221900	06223900	06223400	06221000	06241900	06243900	06243400	06241000
1	06221901	06223901	06223401	06221101	06241901	06243901	06243401	06241101
2	06221902	06223902	06223402	06221202	06241902	06243902	06243402	06241202
3	06221903	06223903	06223403	06221303	06241903	06243903	06243403	06241303
4	06221904	06223904	06223404	06221404	06241904	06243904	06243404	06241404
5	06221905	06223905	06223405	06221505	06241905	06243905	06243405	06241505
6	06221906	06223906	06223406	06221606	06241906	06243906	06243406	06241606
7	06221907	06223907	06223407	06221707	06241907	06243907	06243407	06241707
8	06221908	06223908	06223408	06221808	06241908	06243908	06243408	06241808
9	06221909	06223909	06223409	06221909	06241909	06243909	06243409	06241809
A	06221910	06223910	06223410	—	06241910	06243910	06243410	—
B	06221911	06223911	06223411	—	06241911	06243911	06243411	—
C	06221912	06223912	06223412	—	06241912	06243912	06243412	—
D	06221913	06223913	06223413	—	06241913	06243913	06243413	—
E	06221914	06223914	06223414	—	06241914	06243914	06243414	—
F	06221915	06223915	06223415	—	06241915	06243915	06243415	—
G	06221916	06223916	06223416	—	06241916	06243916	06243416	—
H	06221917	06223917	06223417	—	06241917	06243917	06243417	—
I	06221918	06223918	06223418	—	06241918	06243918	06243418	—
J	06221919	06223919	06223419	—	06241919	06243919	06243419	—
K	06221920	06223920	06223420	—	06241920	06243920	06243420	—
L	06221921	06223921	06223421	—	06241921	06243921	06243421	—
M	06221922	06223922	06223422	—	06241922	06243922	06243422	—
N	06221923	06223923	06223423	—	06241923	06243923	06243423	—
O	06221924	06223924	06223424	—	06241924	06243924	06243424	—
P	06221925	06223925	06223425	—	06241925	06243925	06243425	—
Q	06221926	06223926	06223426	—	06241926	06243926	06243426	—
R	06221927	06223927	06223427	—	06241927	06243927	06243427	—
S	06221928	06223928	06223428	—	06241928	06243928	06243428	—
T	06221929	06223929	06223429	—	06241929	06243929	06243429	—
U	06221930	06223930	06223430	—	06241930	06243930	06243430	—
V	06221931	06223931	06223431	—	06241931	06243931	06243431	—
W	06221932	06223932	06223432	—	06241932	06243932	06243432	—
X	06221933	06223933	06223433	—	06241933	06243933	06243433	—
Y	06221934	06223934	06223434	—	06241934	06243934	06243434	—
Z	06221935	06223935	06223435	—	06241935	06243935	06243435	—
+	06221936	06223936	06223436	—	06241936	06243936	06243436	—
-	06221937	06223937	06223437	—	06241937	06243937	06243437	—
/	06221938	06223938	06223438	—	06241938	06243938	06243438	—
Phase	06221939	06223939	06223439	—	06241939	06243939	06243439	—
Ground	06221940	06223940	06223440	—	06241940	06243940	06243440	—
)	06221941	06223941	06223441	—	06241941	06243941	06243441	—
Blank	06221942	06223942	06223442	—	06241942	06243942	06243442	—

*Color Coding options available for all numbers only (0 - 9). Marker color corresponds to International Standard:

Color Code	Color
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE

EXAMPLE: If you want to Color Code a Size 9 Marker with the number 5 the order code would be: 0615505 (A Green Marker with a black "5")



Permark

Pre-Printed 316 Stainless Steel Markers

Permark stainless steel markers are designed to withstand the most hostile environments. Using state-of-the-art technology and no inks, this laser etching marking process produces a permanent, deep surface mark. Permark markers are produced to individual customer requirements on a fast turn-

around basis. We request that the information to be printed on the markers be sent electronically in a spreadsheet format.

Selection Information (dimensions in inches/millimeters)

184

Product Order Code	Product Description	Material
PM07507-4	0.16 (4) Font	
PM07507-1-4-5	1 Line 0.16 (4) 1 to 5 Character (75x7) marker	(.6) No4 S/S
PM07507-1-4-10	1 Line 0.16 (4) 6 to 10 Character (75x7) marker	(.6) No4 S/S
PM07507-1-4-15	1 Line 0.16 (4) 11 to 15 Character (75x7) marker	(.6) No4 S/S
PM07507-1-4-20	1 Line 0.16 (4) 16 to 20 Character (75x7) marker	(.6) No4 S/S
PM07507-1-4-25	1 Line 0.16 (4) 21 to 25 Character (75x7) marker	(.6) No4 S/S
PM07507-5	0.20 (5) Font	
PM07507-1-5-5	1 Line 0.20 (5) 1 to 5 Character (75x7) marker	(.6) No4 S/S
PM07507-1-5-10	1 Line 0.20(5) 6 to 10 Character (75x7) marker	(.6) No4 S/S
PM07507-1-5-15	1 Line 0.20 (5) 11 to 15 Character (75x7) marker	(.6) No4 S/S
PM07507-1-5-20	1 Line 0.20 (5) 16 to 20 Character (75x7) marker	(.6) No4 S/S
PM09512-2.5	0.10 (2.5) Font	
PM09512-1-2.5-5	1 Line 0.10 (2.5) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-2.5-10	1 Line 0.10 (2.5) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-2.5-15	1 Line 0.10 (2.5) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-2.5-20	1 Line 0.10 (2.5) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-1-2.5-25	1 Line 0.10 (2.5) 21 to 25 Character (95x12) marker	(.6) No4 S/S
PM09512-1-2.5-30	1 Line 0.10 (2.5) 26 to 30 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-35	2 Line 0.10 (2.5) 31 to 35 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-40	2 Line 0.10 (2.5) 36 to 40 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-45	2 Line 0.10 (2.5) 41 to 45 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-50	2 Line 0.10 (2.5) 46 to 50 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-55	2 Line 0.10 (2.5) 51 to 55 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-60	2 Line 0.10 (2.5) 56 to 60 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-65	3 Line 0.10 (2.5) 61 to 65 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-70	3 Line 0.10 (2.5) 66 to 70 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-75	3 Line 0.10 (2.5) 71 to 75 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-80	3 Line 0.10 (2.5) 76 to 80 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-85	3 Line 0.10 (2.5) 81 to 85 Character (95x12) marker	(.6) No4 S/S
PM09512-2-2.5-90	3 Line 0.10 (2.5) 86 to 90 Character (95x12) marker	(.6) No4 S/S
PM09512-3	0.12 (3) Font	
PM09512-1-3-5	1 Line 0.12 (3) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-3-10	1 Line 0.12 (3) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-3-15	1 Line 0.12 (3) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-3-20	1 Line 0.12 (3) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-1-3-25	1 Line 0.12 (3) 21 to 25 Character (95x12) marker	(.6) No4 S/S
PM09512-1-3-30	1 Line 0.12 (3) 26 to 30 Character (95x12) marker	(.6) No4 S/S
PM09512-2-3-35	2 Line 0.12 (3) 31 to 35 Character (95x12) marker	(.6) No4 S/S
PM09512-2-3-40	2 Line 0.12 (3) 36 to 40 Character(95x12) marker	(.6) No4 S/S
PM09512-2-3-45	2 Line 0.12 (3) 41 to 45 Character (95x12) marker	(.6) No4 S/S
PM09512-2-3-50	2 Line 0.12 (3) 46 to 50 Character (95x12) marker	(.6) No4 S/S

Continues next page

Selection Information (dimensions in inches/millimeters)

Product Order Code	Product Description	Material
PM09512-4	0.16 (4) Font	
PM09512-1-4-5	1 Line 0.16 (4) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-4-10	1 Line 0.16 (4) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-4-15	1 Line 0.16 (4) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-4-20	1 Line 0.16 (4) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-1-4-25	1 Line 0.16 (4) 21 to 25 Character (95x12) marker	(.6) No4 S/S
PM09512-1-4-30	1 Line 0.16 (4) 26 to 30 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-35	2 Line 0.16 (4) 31 to 35 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-40	2 Line 0.16 (4) 36 to 40 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-45	2 Line 0.16 (4) 41 to 45 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-50	2 Line 0.16 (4) 46 to 50 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-55	2 Line 0.16 (4) 51 to 55 Character (95x12) marker	(.6) No4 S/S
PM09512-2-4-60	2 Line 0.16 (4) 56 to 60 Character (95x12) marker	(.6) No4 S/S
PM09512-5	0.20 (5) Font	
PM09512-1-5-5	1 Line 0.20 (5) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-5-10	1 Line 0.20 (5) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-5-15	1 Line 0.20 (5) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-5-20	1 Line 0.20 (5) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-1-5-25	1 Line 0.20 (5) 21 to 25 Character (95x12) marker	(.6) No4 S/S
PM09512-6	0.24 (6) Font	
PM09512-1-6-5	1 Line 0.24 (6) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-6-10	1 Line 0.24 (6) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-6-15	1 Line 0.24 (6) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-6-20	1 Line 0.24 (6) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-1-6-25	1 Line 0.24 (6) 21 to 25 Character (95x12) marker	(.6) No4 S/S
PM09512-8	0.31 (8) Font	
PM09512-1-8-5	1 Line 0.31 (8) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-8-10	1 Line 0.31 (8) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-8-15	1 Line 0.31 (8) 11 to 15 Character (95x12) marker	(.6) No4 S/S
PM09512-1-8-20	1 Line 0.31 (8) 16 to 20 Character (95x12) marker	(.6) No4 S/S
PM09512-10	0.40 (10) Font	
PM09512-1-10-5	1 Line 0.40 (10) 1 to 5 Character (95x12) marker	(.6) No4 S/S
PM09512-1-10-10	1 Line 0.40 (10) 6 to 10 Character (95x12) marker	(.6) No4 S/S
PM09512-1-10-15	1 Line 0.40 (10) 11 to 15 Character (95x12) marker	(.6) No4 S/S

PerMark 316 Stainless Steel Cable Ties

All Weather Cable Ties	Package Quantity	Product Order Code
0.18" x 7.9" (4.6 x 200mm) SS cable tie	100	SST71-316
0.18" x 14.3" (4.6 x 360mm) SS cable tie	100	SST141-316

Ordering Information

1. Selections are based on the size of tag required, the font height, the number of characters etched into each tag, and the number of lines on each tag. Use the order code tables to select the appropriate part number. Tags are laser etched and kitted by Tyco Electronics. Information to be printed on each tag needs to be submitted electronically, preferably in a spreadsheet type format.
2. The two standard sizes are PM075 (75mm long x 7mm height) and PM095 (95mm long x 12mm height).
3. Check with your Tyco Electronics representative for delivery and minimum order requirements.

Pre-Print Identification Service

To ensure the accuracy of this form please contact your local Tyco Electronics sales representative.

Sample of prepared spreadsheet:

Contact Name:				
Quote Date:				
Needed By:				
Customer:				
Phone #:				
Email:				
Release Schedule:				
PO#:				
Ship-To Address:				
Print Information	Quantity	Kit Number	Text Type	Product Description
PB01:12:13	1	1	Arial	ShrinkMark-10-2.00-9
PB01:12:14	1	1	Arial	ShrinkMark-10-2.00-9
PB01:12:15	1	1	Arial	ShrinkMark-10-2.00-9
PB01:12:16	1	1	Arial	ShrinkMark-10-2.00-9
PB01:12:17	1	1	Arial	ShrinkMark-10-2.00-9
GRD	20	2	Arial	ShrinkMark-2-2.00-9
IN:471234	2	3	Arial	TTPA200WE-10
OUT:12345	2	3	Arial	TTPA200WE-10
PB01:12-13	1	4	Arial	ShrinkMark-CM-50-4H-9

Ordering Information

1. Selections are based on the information to be printed on sleeves, labels, and/or cable markers, quantity needed of each, kit number (products to be kitted together per kit number indicated. Kitted bags are marked with kit number), the font type (courier or arial), and the product to be printed on.
2. A hard copy of the spreadsheet and purchase order needs to be sent to inside sales.
3. An electronic copy of the spreadsheet needs to be sent via e-mail or disk to inside sales (contact inside sales for e-mail or shipping address).
4. Check with your Tyco Electronics representative for delivery and minimum order requirements.

The Tyco Electronics Energy Division, located in Fuquay-Varina, NC is certified to ISO 9001 standards for its operations. ISO 9001 certification signifies that the business meets quality management and quality assurance standards in design/development, production, installation, and servicing.

In addition, the Tyco Electronics Energy Division meets the following quality standards:

U.S. NRC Regulation 10CFR50, Appendix B
ASME NQA-1-1989
ANSI/ASME N45.2-1977
CSA Standard CAN3-Z299.1-85

For additional product information and technical support, please contact Gross Automation Sales.

Gross Automation
1725 S. Johnson Rd.,
New Berlin, WI 53146-1240
T: 1-877-268-3700
F: 1-877-268-9700

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, Bowthorpe EMP, Critchley, Dorman Smith, Dulmison, Hellstern, La Prairie, Morlynn, Raychem, and SIMEL are trademarks of Tyco Electronics Corporation.

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Electronics

Energy Division



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