



Introducing TTMS-MP Heat-Shrinkable Tubing

TTMS-MP tubing is a semi-flattened, heat-shrinkable tubing intended for wire and cable identification. Available in continuous spools only, TTMS-MP tubing is designed for computer-based printing using a T2000CT-PRINTER. However, the real advantage of TTMS-MP is the ease with which it slips over wires due to its oval shape. The product format makes TTMS-MP identification tubing ideal for applications where in-sequence kitting is not of over-riding importance, for example where several hundred identical markers are required.

KEY FEATURES

- Easier to use than standard TTMS due to its oval shape
- 3 : 1 shrink ratio (except sizes 38.1mm and 50.8mm which are 2 : 1)
- Thin walled and flame retardant
- Thermal Transfer printable only
- Meets military specifications for material and print performance
- -55°C to 135°C operating temperature
- CSA certified, UL recognized UL224
- RoHS compliant

APPLICATIONS

Used for wire and cable harness identification in the following industries :

- **Aerospace**
- **Lighting**
- **Commerical**
- **Marine**
- **Defense**
- **Rail & Mass Transit**
- **Industrial**

MECHANICAL

- **TENSILE STRENGTH** :
10MPa minimum (SAE -AMS-DTL-23053/5)
- **ULTIMATE ELONGATION** :
200% minimum (SAE-AMS-DTL-23053/5)
- **LONGITUDINAL CHANGE** :
-20% maximum (SAE-AMS-DTL-23053/5)
- **HEAT AGING** : 100% UE retained and print legible after 168 hours at 175°C (347°F)
- **HEAT SHOCK** : No cracking, dripping or flowing and print legible after 4 hours at 250°C (482°F)
- **LOW TEMPERATURE FLEXIBILITY** :
No cracking after 4 hours at -55°C (-67°F),
11mm (7/16 inch) mandrel bend.

ELECTRICAL

- **DIELECTRIC STRENGTH** : 20MV/m minimum (IEC 243)

STANDARDS AND SPECS

- **TE Connectivity** : RW 2517
- **UL** : recognized Standard 224, (File E35586)
- **CSA** : certified CSA C22.2 No. 198.1-98, (File 31929)
- **Military** : AMS-DTL-23053/5, AS-81531, MIL-STD-202F Method 215

MATERIALS

- Thin wall, flame retardant radiation cross-linked polyolefin heat-shrinkable tubing

PRODUCT DIMENSIONS in inches and (millimeters)

Part Number	Exp. (Min)	Recovered (max)	Rec. use range	Rec. wall thickness	Weight lb/ft (g/m)
TTMS-MP-2.4	0.093 (2.36)	0.031 (0.79)	0.032 - 0.075 (0.91 - 1.90)	0.021 ± 0.003 (0.53 ± 0.08)	0.0017 (2.76)
TTMS-MP-3.2	0.125 (3.18)	0.042 (1.07)	0.044 - 0.105 (1.11 - 2.66)	0.023 ± 0.003 (0.58 ± 0.08)	0.0025 (3.73)
TTMS-MP-4.8	0.187 (4.75)	0.062 (1.57)	0.069 - 0.160 (1.75 - 4.06)	0.023 ± 0.003 (0.58 ± 0.08)	0.0033 (4.93)
TTMS-MP-6.4	0.250 (6.35)	0.083 (2.11)	0.091 - 0.215 (2.31 - 5.46)	0.023 ± 0.003 (0.58 ± 0.08)	0.0043 (6.46)
TTMS-MP-9.5	0.375 (9.53)	0.125 (3.18)	0.137 - 0.320 (3.47 - 8.12)	0.023 ± 0.003 (0.61 ± 0.08)	0.0062 (9.27)
TTMS-MP-12.7	0.500 (12.70)	0.166 (4.22)	0.183 - 0.425 (4.64 - 10.79)	0.024 ± 0.003 (0.61 ± 0.08)	0.0084 (12.53)
TTMS-MP-19.0	0.750 (19.05)	0.250 (6.35)	0.275 - 0.640 (6.99 - 16.25)	0.024 ± 0.003 (0.61 ± 0.08)	0.0149 (22.13)
TTMS-MP-25.4	1.000 (25.40)	0.333 (8.46)	0.366 - 0.850 (9.29 - 21.59)	0.025 ± 0.003 (0.64 ± 0.08)	0.0190 (28.24)
TTMS-MP-38.1	1.500 (38.10)	0.750 (19.05)	0.825 - 1.300 (20.95 - 33.02)	0.020 ± 0.003 (0.51 ± 0.08)	0.0340 (50.61)
TTMS-MP-50.8	2.000 (50.80)	1.000 (25.40)	1.100 - 1.750 (27.94 - 44.95)	0.025 ± 0.003 (0.64 ± 0.08)	0.0584 (86.96)

While TE has made every reasonable effort to ensure the accuracy of the information in this flyer, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this flyer are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

te.com/products/identification-labeling



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9