Raychem INTERCONNECT

TTMS tubing is flattened, heat-shrinkable

tubing intended for wire and cable

product format makes TTMS

identification. Available in continuous

spools, TTMS tubing is designed for computer-based printing using Raychem's TMS 2000Plus printer. This

identification tubing ideal for applications where in-sequence kitting is not of overriding importance, for example where

required. Large pack sizes, usually 100m

(328 feet), minimise the number of spool

several hundred identical markers are

A DIVISION OF **THEO** ELECTRONICS

- Continuous format heat-shrinkable identification tubing
- Computer printable
- Military specification material and print performance
- -55°C to 135°C operating temperature
- 3:1 shrink ratio
- CSA certified, UL recognised (VW-1 rated)

changes necessary during production runs.

TTMS identification tubing is made from durable, flame retarded, radiationcrosslinked heat-shrinkable polyolefin. The printed tubing meets the mark permanence requirements of MIL-DTL-23053/5 classes 1 and 3. The identification marks are permanent immediately after printing and remain legible even when exposed to solvents, fuels and oils. The tubing meets the mark permanence requirements of MIL-M-

TTMS

Flat heat-shrinkable identification tubing

81531 and MIL-STD-202 both before and after shrinking. Raychem-recommended ribbons should always be used. The tubing has a 3:1 shrink ratio (except sizes 38.1 and 50.8, which are 2:1) and cover a wide range of wire diameters, thus simplifying inventory. The tubing shrinks extremely rapidly, so installation is fast and economical. The installed markers are low profile and lightweight. They may be used to provide strain relief and insulation in addition to identification.



Temperature rating

Operating temperature range	-55°C to 135°C
Minimum recovery temperature	85°C
Maximum storage temperature	40°C

Specifications and approvals

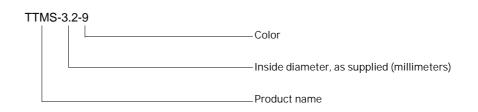
Raychem	RW 2025
UL recognised	Standard 224, file E35586
CSA certified	CSA C22.2 No. 198.1-98, file 31929
Military	MIL-DTL-23053/5, MIL-M-81531, MIL-STD-202F

TTMS

Dimensions inches (millimeters)

	Inside diameter							
	Expanded (minimum)	Recovered (maximum)	Recommended use range	Recovered wall thickness	Weight Ib/ft <i>(g/m)</i>			
TTMS-2.4	0.093 <i>(2.36)</i>	0.031 <i>(0.79)</i>	0.032 - 0.075 <i>(0.81 - 1.90)</i>	0.021 ± 0.003 (0.53 ± 0.08)	0.0017 <i>(2.76)</i>			
TTMS-3.2	0.125 <i>(3.18)</i>	0.042 <i>(1.07)</i>	0.044 - 0.105 <i>(1.11 - 2.66)</i>	0.023 ± 0.003 (0.58 \pm 0.08)	0.0025 <i>(3.73)</i>			
TTMS-4.8	0.187 <i>(4.75)</i>	0.062 <i>(1.57)</i>	0.069 - 0.160 <i>(1.75 - 4.06)</i>	0.023 ± 0.003 (0.58 \pm 0.08)	0.0033 <i>(4.93)</i>			
TTMS-6.4	0.250 <i>(6.35)</i>	0.083 <i>(2.11)</i>	0.091 - 0.215 <i>(2.31 - 5.46)</i>	0.023 ± 0.003 (0.58 \pm 0.08)	0.0043 <i>(6.46)</i>			
TTMS-9.5	0.375 <i>(9.53)</i>	0.125 <i>(3.18)</i>	0.137 - 0.320 <i>(3.47 - 8.12)</i>	0.023 ± 0.003 (0.61 \pm 0.08)	0.0062 <i>(9.27)</i>			
TTMS-12.7	0.500 <i>(12.70)</i>	0.166 <i>(4.22)</i>	0.183 - 0.425 <i>(4.64 - 10.79)</i>	0.024 ± 0.003 (0.61 ± 0.08)	0.0084 <i>(12.53)</i>			
TTMS-19.0	0.750 <i>(19.05)</i>	0.250 <i>(6.35)</i>	0.275 - 0.640 <i>(6.99 - 16.25)</i>	0.024 ± 0.003 (0.61 \pm 0.08)	0.0149 <i>(22.13)</i>			
TTMS-25.4	1.000 <i>(25.40)</i>	0.333 <i>(8.46)</i>	0.366 - 0.850 <i>(9.29 - 21.59)</i>	0.025 ± 0.003 (0.64 \pm 0.08)	0.0190 <i>(28.24)</i>			
TTMS-38.1	1.500 <i>(38.10)</i>	0.750 <i>(19.05)</i>	0.825 - 1.300 <i>(20.95 - 33.02)</i>	0.020 ± 0.003 (0.51 \pm 0.08)	0.0340 <i>(50.61)</i>			
TTMS-50.8	2.000 <i>(50.80)</i>	1.000 <i>(25.40)</i>	1.100 - 1.750 <i>(27.94 - 44.95)</i>	0.025 ± 0.003 (0.64 \pm 0.08)	0.0584 <i>(86.96)</i>			

Part numbering system



Ordering information

Colors	Standard	Yellow	White	Black				
	Code	4	9	0				
	Non-standard	Red	Orange	Green	Blue	Violet	Gray	
	Code	2	3	5	6	7	8	
Packaging	Standard 328ft (100m) spools for all sizes except 38.1 and 50.8, which are 164ft (50m)							
	Tubing size		Total length	ו	Order des	cription	Color	
Ribbons	2.4mm (3/32") to	o 12.7mm (1/2")	300m (984f	ft)	2000P-RI	BON-4TT-NAR	Black	
	19.0mm (3/4") &	25.4 mm (1")	300m (984f	ft)	2000P-RI	BBON-4TT-MED	Black	
	38.1 mm (1 ¹ / ₂ ")	& 50.8mm (2")	300m (9841	ft)	TMS-RJS-	RIBBON-4RPSCE	Black	
	2.4mm (3/32") to	o 12.7mm (1/2")	300m (9841	ft)	2000P-RI	BON-4AG-NAR	Silver	
	19.0mm (3/4") & 25.4 mm (1")		300m (984ft)		2000P-RIBBON-4AG-MED	Silver		
	38.1 mm (1 $^{1}/_{2}$ ") & 50.8 mm (2")		300m (984ft)		TMS-RJS-RIBBON-4AG		Silver	

* Raychem-recommended ribbons should always be used.