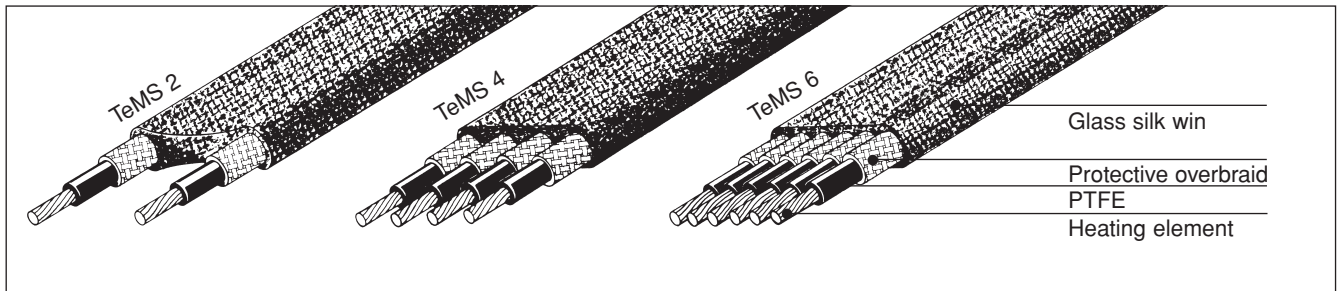


## PTFE heating tape (for non hazardous area use)

TeMS is a preterminated and flexible heating tape. TeMS 2 is used in applications ranging from simple frost protection up to temperature maintenance on short pipe-work and apparatus as well as for general container heating applications.

If more power is required, the use of the TeMS 4 or TeMS 6 heating tapes is recommended. The parallel arrangement of the heating conductors ensures a wide heat-transfer surface.

The temperature depends on the power and way of use. Please make sure that the heating tape does not exceed the maximum withstand temperature.



	TeMS 2	TeMS 4	TeMS 6
<b>Size</b>	25 mm x 7 mm (0.98" x 0.3")	26 mm x 7 mm (1.02" x 0.3")	27 mm x 7 mm (1.06" x 0.3")
<b>Specification</b>			
Nominal power output	Approx. 40 W/m (12 W/ft)	Approx. 80 W/m (24 W/ft)	Approx. 150 W/m (46 W/ft)
Supply voltage	230 V AC	230 V AC	230 V AC
Loading tolerance	Up to 100 watts ± 10%, from 100 watts + 5% / - 10%		
Area classification	Non hazardous		
System of protection	IP 64, hoseproof (low pressure)		
Electrical protection	Class I		
Max. withstand temperature (power off)	260°C (500°F)	260°C (500°F)	260°C (500°F)
Max. surface temperature (power on)	Up to 260°C (500°F) (power and way of use dependent)	Up to 260°C (500°F)	Up to 260°C (500°F)
Bending radius	≥ 20 mm (0.8")	≥ 20 mm (0.8")	≥ 30 mm (1.2")
Spacing	≥ 5 mm (0.2")	≥ 5 mm (0.2")	≥ 5 mm (0.2")
<b>Construction</b>			
Heating element	2 wires Depending on length CuNi 10, CuNi 44, CuNi 23Mn or NiCr	4 wires	6 wires
Electrical insulation	PTFE and protective metal braiding Cu nickel-plated		
Carrier	Glass silk		
Outer sheath	Glass silk		
Connection	80 x 40 x 15 mm (3.2" x 1.6" x 0.6") (L x W x D)		
Termination	53 x 35 x 15 mm (2.1" x 1.4" x 0.6") (L x W x D)		
<b>Termination</b>			
Gland warm lead to cold lead	Silicone power connection		
Cold lead	1500 mm (5 ft) silicone power supply cable		
Terminating tails	70 mm / 1.5 mm <sup>2</sup> (2.8" / AWG 16)	70 mm / 1.5 mm <sup>2</sup> (2.8" / AWG 16)	70 mm / 1.5 mm <sup>2</sup> (2.8" / AWG 16)

**Standard lengths and loadings table**

	Length m (ft)	Watts	Part No.
	1.10 (0.74)	50	584 216-000
	2.20 (0.7)	100	411 376-000
Other lengths and power specifications etc. available upon request	3.50 (1.1)	140	067 444-000
	5.50 (1.7)	250	846 778-000
	8.00 (2.4)	340	700 890-000
	11.00 (3.4)	500	426 148-000
	14.00 (4.3)	610	943 982-000
	18.00 (5.5)	730	852 336-000

TeMS 4	Length m (ft)	Watts	Part No.
	1.10 (0.34)	100	458 786-000
	2.20 (0.7)	200	149 158-000
Other lengths and power specifications etc. available upon request	3.50 (1.1)	280	802 292-000
	5.50 (1.7)	490	124 922-000
	8.00 (2.4)	670	299 284-000
	11.00 (3.4)	990	718 760-000
	14.00 (4.3)	1260	927 204-000

TeMS 6	Length m (ft)	Watts	Part No.
	1.00 (0.3)	160	755 718-000
Other lengths and power specifications etc. available upon request	2.00 (0.61)	330	533 964-000
	3.00 (0.5)	490	184 778-000
	5.00 (1.5)	820	824 016-000
	7.00 (2.1)	1150	064 196-000
	10.00 (3.0)	1640	744 968-000

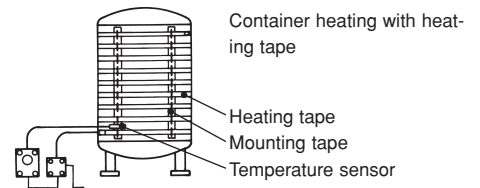
**Installation examples**



Compensation for different power requirements using heating tape



Thermo-conductive sheet



**Ordering details**

Part description	TeMS 2	TeMS 4	TeMS 6
Part No.	See table above	See table above	See table above

[www.isopad.de](http://www.isopad.de)  
[www.tycothermal.com](http://www.tycothermal.com)

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