

HEATING TAPES AND HEATING CORDS

Application

In laboratories and experimental facilities where an easily employed system is desired to heat shapes and parts to high temperatures or where it is important to ensure short heating-up periods.

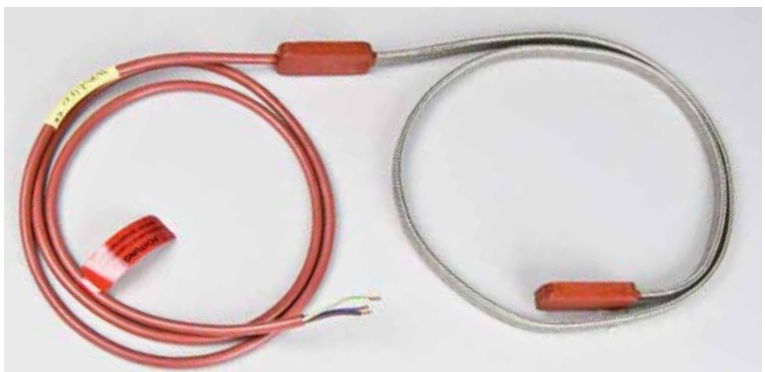
Advantages

- very high and constant heating power per metre
- high operating temperature
- extremely flexible
- quick and easy installation

Please note:

- the high power (W/m) requires a good heat-transfer contact with the heated object.
- constant W/m heat output independent of pipe or surface temperature.
- to avoid overheating, heating tapes or cords must be laid in such a way that they are not in close contact with each other or overlapping.
- the surface temperature of the (switched on) heating system is always higher than the pipe temperature.
- install a temperature controller to ensure that the specified maximum temperature is not exceeded.

All prices are valid to March 31, 2013

HEATING TAPE WBS00202		T _{max} = 200°C	
Structure · 4 heat conductors · Silicone-insulated · Outer braiding: tinned copper wire · Factory-terminated, vulcanized mains connection			
TECHNICAL DATA			
Heat conductor temperature	max. 200 °C		
Heating power	50 / 75 / 100 W/m		
Nominal voltage	230 VAC		
Power tolerance	± 10%		
Heating tape length	according to list		
Mains connection	terminated ready for connection 1.00 m		
Insulation material	silicone rubber with protective conductor braiding moisture resistant		
Construction type			
Dimensions	12,0 x 6,4 mm		
Min. bending radius	> 9 mm		

HEATING TAPE WBS00202 (50 W/m)				
Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
0,9	50	WBS00202-230XX200-00900050	117,00	B
1,8	100	WBS00202-230XX200-01800100	139,00	B
2,7	130	WBS00202-230XX200-02700130	160,00	B
4,0	200	WBS00202-230XX200-04000200	190,00	B
6,3	320	WBS00202-230XX200-06300320	245,00	B
9,5	470	WBS00202-230XX200-09500470	322,00	B
13,5	670	WBS00202-230XX200-13500670	409,00	B
16,0	780	WBS00202-230XX200-16000780	477,00	B

HEATING TAPE WBS00202 (75 W/m)				
Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
1,1	80	WBS00202-230XX200-01100080	123,00	B
2,2	160	WBS00202-230XX200-02200160	149,00	B
3,1	230	WBS00202-230XX200-03100230	170,00	B
4,6	350	WBS00202-230XX200-04600350	206,00	B
7,3	550	WBS00202-230XX200-07300550	270,00	B
11,0	820	WBS00202-230XX200-11000820	357,00	B
15,5	1160	WBS00202-230XX200-15501160	457,00	B
18,3	1370	WBS00202-230XX200-18301370	531,00	B

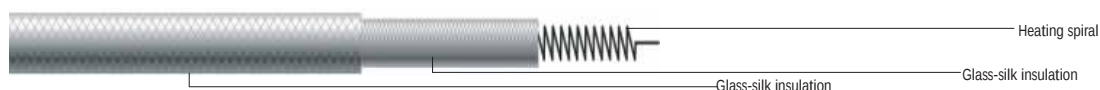
HEATING TAPE WBS00202 (100 W/m)				
Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
0,9	100	WBS00202-230XX200-00900100	117,00	A
1,8	200	WBS00202-230XX200-01800200	139,00	A
2,7	270	WBS00202-230XX200-02700270	160,00	A
4,0	410	WBS00202-230XX200-04000410	190,00	B
6,3	640	WBS00202-230XX200-06300640	245,00	B
9,5	950	WBS00202-230XX200-09500950	322,00	B
13,5	1340	WBS00202-230XX200-13501340	409,00	B
16,0	1570	WBS00202-230XX200-16001570	477,00	B

*115 V on request

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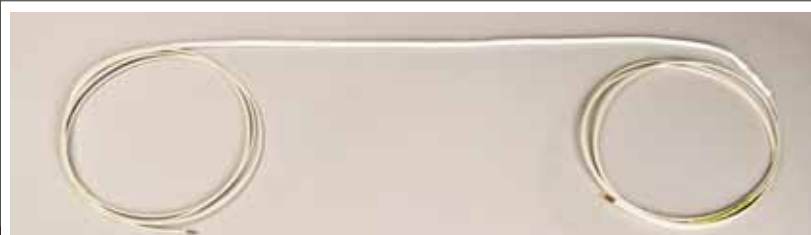
HEATING CORD WKG00401

T_{max} = 400°C



Structure

- one heating spiral
- protecting braiding: glass-silk insulation
- outer braiding: flexible glass silk



TECHNICAL DATA

Heat conductor temperature	max. 400 °C	Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
Heating power	150 W/m	0,5	75	WKG00401-230XX400-00500075	44,00	B
Nominal voltage	230 VAC*	1,0	150	WKG00401-230XX400-01000150	52,00	B
Power tolerance	± 10%	1,5	225	WKG00401-230XX400-01500225	64,00	B
Heating cord length	according to list	2,0	300	WKG00401-230XX400-02000300	74,00	B
Mains connection	Ready for connection, both ends terminated; length 1.0 m	2,5	375	WKG00401-230XX400-02500375	80,00	B
Insulation material	glas silk	3,0	450	WKG00401-230XX400-03000450	87,00	B
Construction type	not moisture resistant	4,0	600	WKG00401-230XX400-04000600	100,00	B
Dimensions	Ø ca. 3,5 mm	5,0	750	WKG00401-230XX400-05000750	114,00	B
Min. bending radius	> 5 mm	6,0	900	WKG00401-230XX400-06000900	128,00	B

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HEATING TAPE WBG00402

T_{max} = 400°C



Structure

- two heat conductors arranged in parallel
- glass silk-insulated
- protective braiding: Nickel
- outer braiding: flexible glass silk



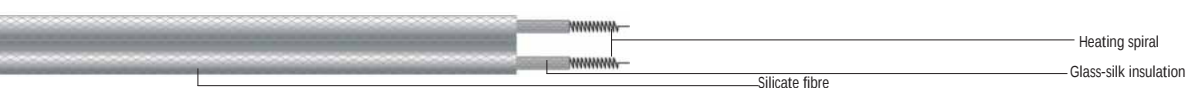
TECHNICAL DATA

Heat conductor temperature	max. 400 °C	Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
Heating power	250 W/m	0,5	125	WBG00402-230XX400-00500125	89,00	A
Nominal voltage	230 VAC*	1,0	250	WBG00402-230XX400-01000250	100,00	A
Power tolerance	± 10%	1,5	375	WBG00402-230XX400-01500375	113,00	A
Heating cord length	according to list	2,0	500	WBG00402-230XX400-02000500	130,00	A
Mains connection	ready for connection, length 0.3 m	2,5	625	WBG00402-230XX400-02500625	148,00	A
Insulation material	glas-silk	3,0	750	WBG00402-230XX400-03000750	177,00	A
Construction type	not moisture resistant	5,0	1250	WBG00402-230XX400-05001250	252,00	A
Dimensions	30 × 5 mm					
Min. bending radius	> 15 mm					

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HEATING TAPE WBQ00901

T_{max} = 900°C



Structure

- two heating spirals arranged in parallel
- protecting braiding: silicate-fibre insulated
- outer braiding: flexible silicate fibre



TECHNICAL DATA

Heat conductor temperature	max. 900 °C	Length (m)	Power (W ±10%)	Article No. 230 VAC*	Price (€)	Delivery code
Heating power	350 W/m	0,5	175	WBQ00901-230XX900-00500175	218,00	B
Nominal voltage	230 VAC*	1,0	350	WBQ00901-230XX900-01000350	262,00	B
Power tolerance	± 10%	1,5	525	WBQ00901-230XX900-01500525	320,00	B
Heating cord length	according to list	2,0	700	WBQ00901-230XX900-02000700	384,00	B
Mains connection	ready for connection, length 0.3 m	2,5	875	WBQ00901-230XX900-02500875	450,00	B
Insulation material	silicate fibre	3,0	1050	WBQ00901-230XX900-03001050	522,00	B
Construction type	not moisture resistant					
Dimensions	30 × 8 mm					
Min. bending radius	> 15 mm					

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Delivery code: **A**= from stock, subject to prior sale; **B**=3 weeks; **C**=6 weeks

PILZ® LABORATORY HEATING MANTLES