

HEATING TAPES AND HEATING CABLES

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 cables 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.

HEATING TAPE TYPE WBS00202

$T_{max} = 200^{\circ}C$

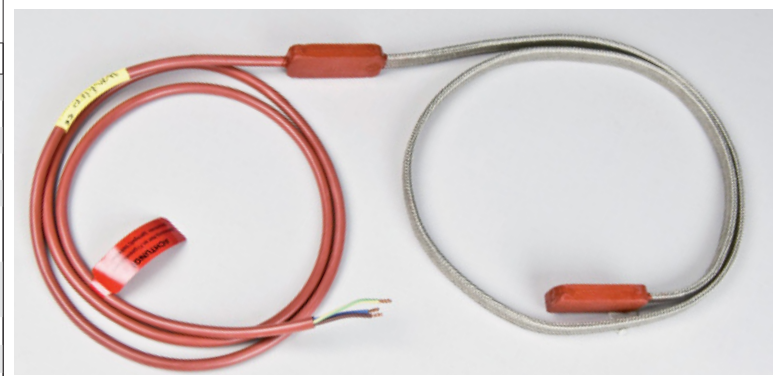
Structure

- 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
Construction type	moisture resistant
Dimensions	12,0 x 6,4 mm
Min. bending radius	> 9 mm



HEATING TAPE TYPE WBS00202 (50 W/M)

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
0,9	50	WBS00202-230XX200-00900050	B
1,8	100	WBS00202-230XX200-01800100	B
2,7	130	WBS00202-230XX200-02700130	B
4,0	200	WBS00202-230XX200-04000200	B
6,3	320	WBS00202-230XX200-06300320	B
9,5	470	WBS00202-230XX200-09500470	B
13,5	670	WBS00202-230XX200-13500670	B
16,0	780	WBS00202-230XX200-16000780	B

HEATING TAPE TYPE WBS00202 (75 W/M)

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
1,1	80	WBS00202-230XX200-01100080	B
2,2	160	WBS00202-230XX200-02200160	B
3,1	230	WBS00202-230XX200-03100230	B
4,6	350	WBS00202-230XX200-04600350	B
7,3	550	WBS00202-230XX200-07300550	B
11,0	820	WBS00202-230XX200-11000820	B
15,5	1160	WBS00202-230XX200-15501160	B
18,3	1370	WBS00202-230XX200-18301370	B

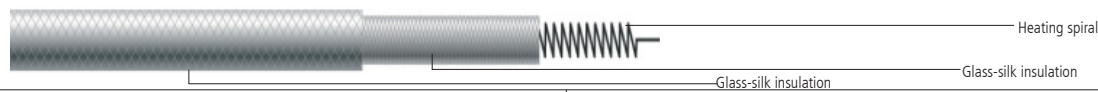
HEATING TAPE TYPE WBS00202 (100 W/M)

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
0,9	100	WBS00202-230XX200-00900100	A
1,8	200	WBS00202-230XX200-01800200	A
2,7	270	WBS00202-230XX200-02700270	A
4,0	410	WBS00202-230XX200-04000410	B
6,3	640	WBS00202-230XX200-06300640	B
9,5	950	WBS00202-230XX200-09500950	B
13,5	1340	WBS00202-230XX200-13501340	B
16,0	1570	WBS00202-230XX200-16001570	B

*115 V on request

HEATING CABLE TYPE WKG00401

$T_{max} = 400^{\circ}C$



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



Technical data

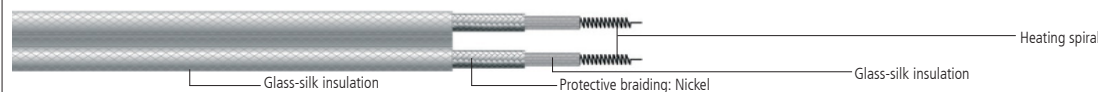
Heat conductor temperature	max. 400 °C
Heating power	150 W/m
Nominal voltage	230 VAC*
Power tolerance	± 10%
Heating cord length	according to list
Mains connection	Ready for connection, both ends terminated; length 1.0 m
Insulation material	glas silk
Construction type	not moisture resistant
Dimensions	Ø ca. 3,5 mm
Min. bending radius	> 5 mm

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
0,5	75	WKG00401-230XX400-00500075	B
1,0	150	WKG00401-230XX400-01000150	B
1,5	225	WKG00401-230XX400-01500225	B
2,0	300	WKG00401-230XX400-02000300	B
2,5	375	WKG00401-230XX400-02500375	B
3,0	450	WKG00401-230XX400-03000450	B
4,0	600	WKG00401-230XX400-04000600	B
5,0	750	WKG00401-230XX400-05000750	B
6,0	900	WKG00401-230XX400-06000900	B

*115 V on request

HEATING TAPE TYPE WBG00402

$T_{max} = 400^{\circ}C$



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



Technical data

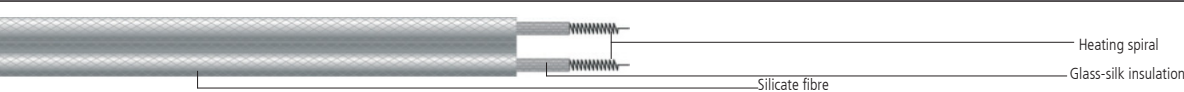
Heat conductor temperature	max. 400 °C
Heating power	250 W/m
Nominal voltage	230 VAC*
Power tolerance	± 10%
Heating cord length	according to list
Mains connection	ready for connection, length 0.4 m
Insulation material	glas-silk
Construction type	not moisture resistant
Dimensions	30 × 5 mm
Min. bending radius	> 15 mm

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
0,5	125	WBG00402-230XX400-00500125	A
1,0	250	WBG00402-230XX400-01000250	A
1,5	375	WBG00402-230XX400-01500375	A
2,0	500	WBG00402-230XX400-02000500	A
2,5	625	WBG00402-230XX400-02500625	A
3,0	750	WBG00402-230XX400-03000750	A
5,0	1250	WBG00402-230XX400-05001250	A

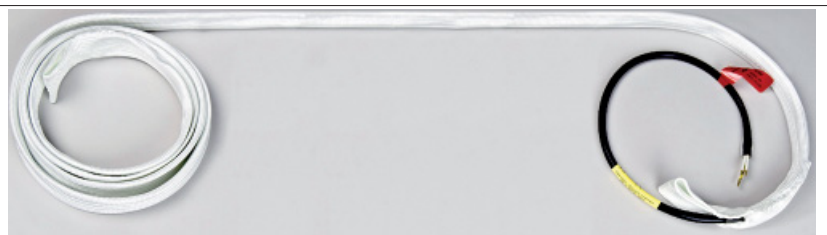
*115 V on request

HEATING TAPE TYPE WBQ00901

$T_{max} = 900^{\circ}C$



- 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
Heating power	350 W/m
Nominal voltage	230 VAC*
Power tolerance	± 10%
Heating cord length	according to list
Mains connection	ready for connection, length 0.3 m
Insulation material	silicate fibre
Construction type	not moisture resistant
Dimensions	30 × 8 mm
Min. bending radius	> 15 mm

Length (m)	Power (W ±10%)	Article No. 230 VAC*	Delivery code
0,5	175	WBQ00901-230XX900-00500175	B
1,0	350	WBQ00901-230XX900-01000350	B
1,5	525	WBQ00901-230XX900-01500525	B
2,0	700	WBQ00901-230XX900-02000700	B
2,5	875	WBQ00901-230XX900-02500875	B
3,0	1050	WBQ00901-230XX900-03001050	B

*115 V on request