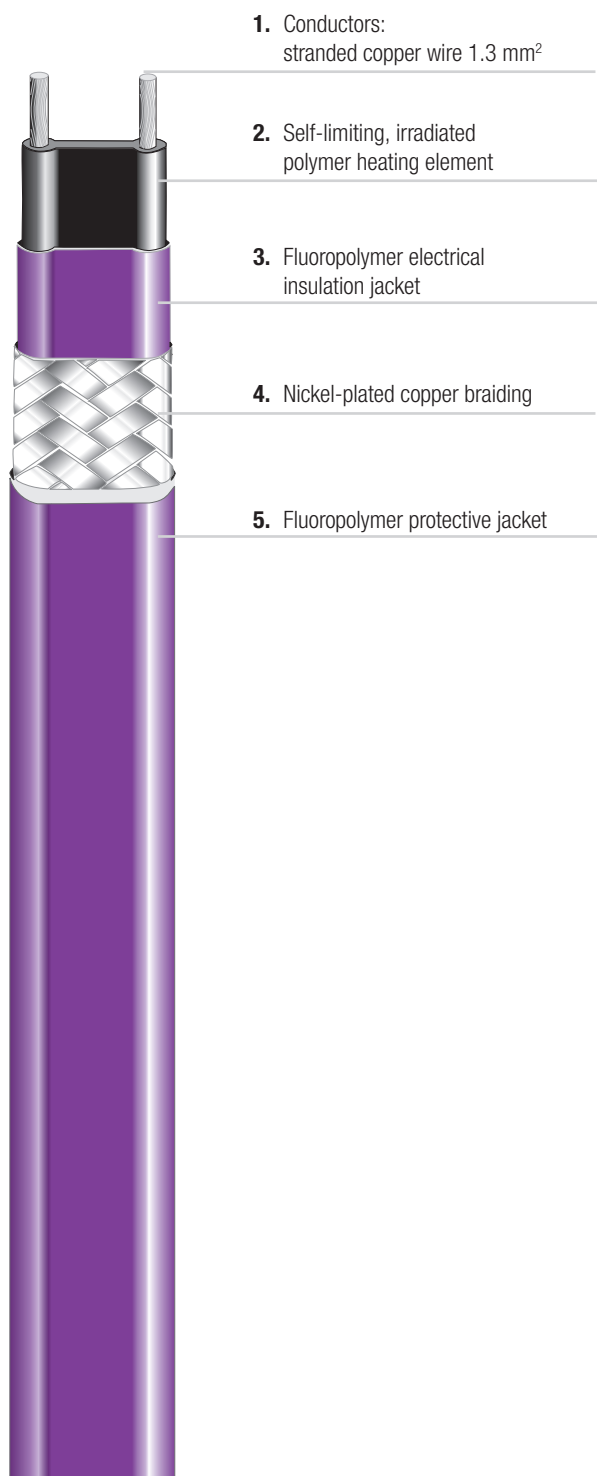


- Steam purging possible
- Wide operating temperature range
- Can be used in explosive atmospheres without temperature limiter
- Simple installation thanks to its high flexibility
- Outer protective fluoropolymer jacket ensures resistance to corrosion and chemical influences

A temperature-dependent resistive element between the parallel copper conductors regulates and limits the power output of the heating tape. This output regulation is carried out automatically at every point of the heating tape depending on the prevailing ambient temperature. If the ambient temperature increases, the power output is reduced. The parallel design allows the heating tape to be cut to any length. This simplifies planning and installation. The heating tape is cut directly on the construction site according to the local circumstances. The heating system must be designed to ensure that the maximum operating temperature of +250 °C will not be exceeded when it is energized.



Applications

The HTSB heating tape is the right solution for frost protection or temperature maintenance in pipelines or vessels in the industrial area. It is particularly suitable for applications with high ambient temperatures or aggressive chemicals. For questions regarding the chemical resistance please contact your BARTEC sales representative.

Explosion protection

Marking Ⓔ II 2G Ex e IIC T2, T3 Gb
 Ⓔ II 2D Ex t IIIIC T200 °C, T300 °C IP 6x Db

Certification Sira 10 ATEX 3268
 TC RU C-DE.ГБ06.B.00230

Other approvals and certificates, see www.bartec.de

Technical data

Rated voltage	AC 208 V to 277 V
Max. exposure temperature	switched on +250 °C switched off +250 °C
Min. installation temperature	-40 °C
Min. start-up temperature	-40 °C
Max. braid resistance	<18.2 Ω/km
Dimensions with braiding and Fluoropolymer jacket	12.1 x 5.4 mm
Min. bending radius	35 mm

Power setting at +10 °C

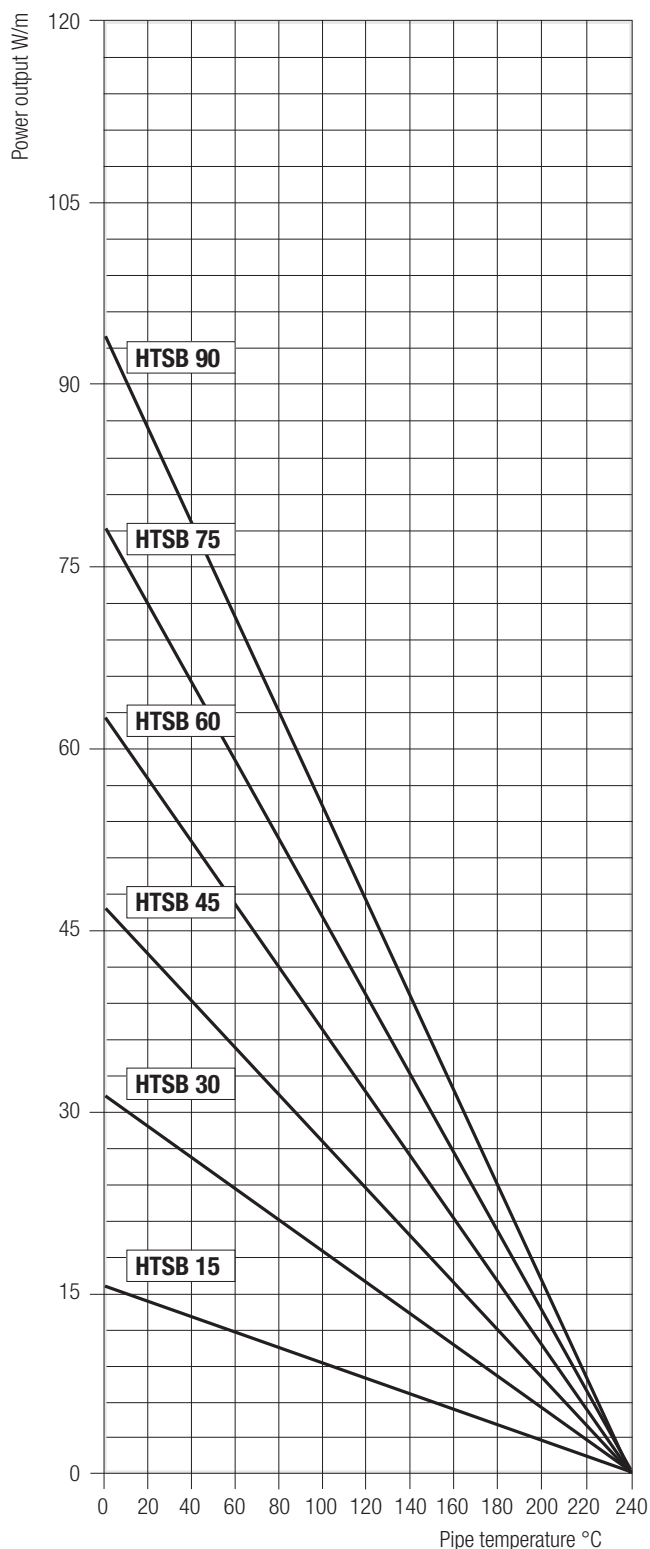
Power output at AC 230 V	HTSB 15 15 W/m	HTSB 30 30 W/m	HTSB 45 45 W/m
Power output at AC 230 V	HTSB 60 60 W/m	HTSB 75 75 W/m	HTSB 90 90 W/m

Ordering information

HTSB parallel heating tape	Type	Heating output	Order no.
AC 277 V self-limiting steam purging possible ⊕ explosion protected Ⓜ media protected	HTSB 15	15 W/m	07-5819-7152
	HTSB 30	30 W/m	07-5819-7302
	HTSB 45	45 W/m	07-5819-7452
	HTSB 60	60 W/m	07-5819-7602
	HTSB 75	75 W/m	07-5819-7752
	HTSB 90	90 W/m	07-5819-7902
AC 120 V self-limiting steam purging possible ⊕ explosion protected Ⓜ media protected	HTSB 15	15 W/m	07-5819-1152
	HTSB 30	30 W/m	07-5819-1302
	HTSB 45	45 W/m	07-5819-1452
	HTSB 60	60 W/m	07-5819-1602
	HTSB 75	75 W/m	07-5819-1752
	HTSB 90	90 W/m	07-5819-1902

Technical data subject to change without notice.

HTSB characteristics



Power output on insulated steel pipes at **230 V** under nominal conditions.



Max. length of heating circuit at AC 230 V for automatic circuit-breakers with C characteristic

Circuit breaker size	start-up temperature	HTSB 15	HTSB 30	HTSB 45	HTSB 60	HTSB 75	HTSB 90
6 A	+10 °C	48 m	30 m	24 m	18 m	16 m	12 m
	0 °C	46 m	30 m	22 m	18 m	14 m	12 m
	-20 °C	40 m	26 m	20 m	16 m	14 m	10 m
10 A	+10 °C	78 m	52 m	38 m	30 m	26 m	22 m
	0 °C	76 m	48 m	36 m	30 m	24 m	20 m
	-20 °C	68 m	44 m	34 m	26 m	22 m	18 m
16 A	+10 °C	126 m	82 m	62 m	50 m	42 m	34 m
	0 °C	120 m	78 m	58 m	46 m	40 m	32 m
	-20 °C	108 m	70 m	52 m	42 m	36 m	30 m
20 A	+10 °C	154 m	102 m	78 m	62 m	52 m	42 m
	0 °C	150 m	96 m	74 m	58 m	48 m	40 m
	-20 °C	136 m	88 m	66 m	52 m	44 m	36 m
25 A	+10 °C	-	108 m	88 m	76 m	64 m	54 m
	0 °C	154 m	108 m	88 m	72 m	60 m	50 m
	-20 °C	154 m	108 m	82 m	66 m	54 m	46 m
32 A	+10 °C	-	-	-	-	82 m	68 m
	0 °C	-	-	-	76 m	78 m	64 m
	-20 °C	-	-	88 m	76 m	70 m	58 m

Max. length of heating circuit at AC 120 V for automatic circuit-breakers with C characteristic

Circuit breaker size	start-up temperature	HTSB 15	HTSB 30	HTSB 45	HTSB 60	HTSB 75	HTSB 90
6 A	+10 °C	24 m	15 m	12 m	9 m	8 m	6 m
	0 °C	23 m	15 m	11 m	9 m	7 m	6 m
	-20 °C	20 m	13 m	10 m	8 m	7 m	5 m
10 A	+10 °C	39 m	26 m	19 m	15 m	13 m	11 m
	0 °C	38 m	24 m	18 m	15 m	12 m	10 m
	-20 °C	34 m	22 m	17 m	13 m	11 m	9 m
16 A	+10 °C	63 m	41 m	31 m	25 m	21 m	17 m
	0 °C	60 m	39 m	29 m	23 m	20 m	16 m
	-20 °C	54 m	35 m	26 m	21 m	18 m	15 m
20 A	+10 °C	77 m	51 m	39 m	32 m	26 m	21 m
	0 °C	75 m	48 m	37 m	30 m	24 m	20 m
	-20 °C	68 m	44 m	33 m	26 m	22 m	18 m
25 A	+10 °C	-	54 m	44 m	38 m	32 m	27 m
	0 °C	77 m	54 m	44 m	36 m	30 m	25 m
	-20 °C	77 m	54 m	41 m	33 m	27 m	23 m
32 A	+10 °C	-	-	-	-	41 m	34 m
	0 °C	-	-	-	38 m	39 m	32 m
	-20 °C	-	-	41 m	38 m	35 m	29 m