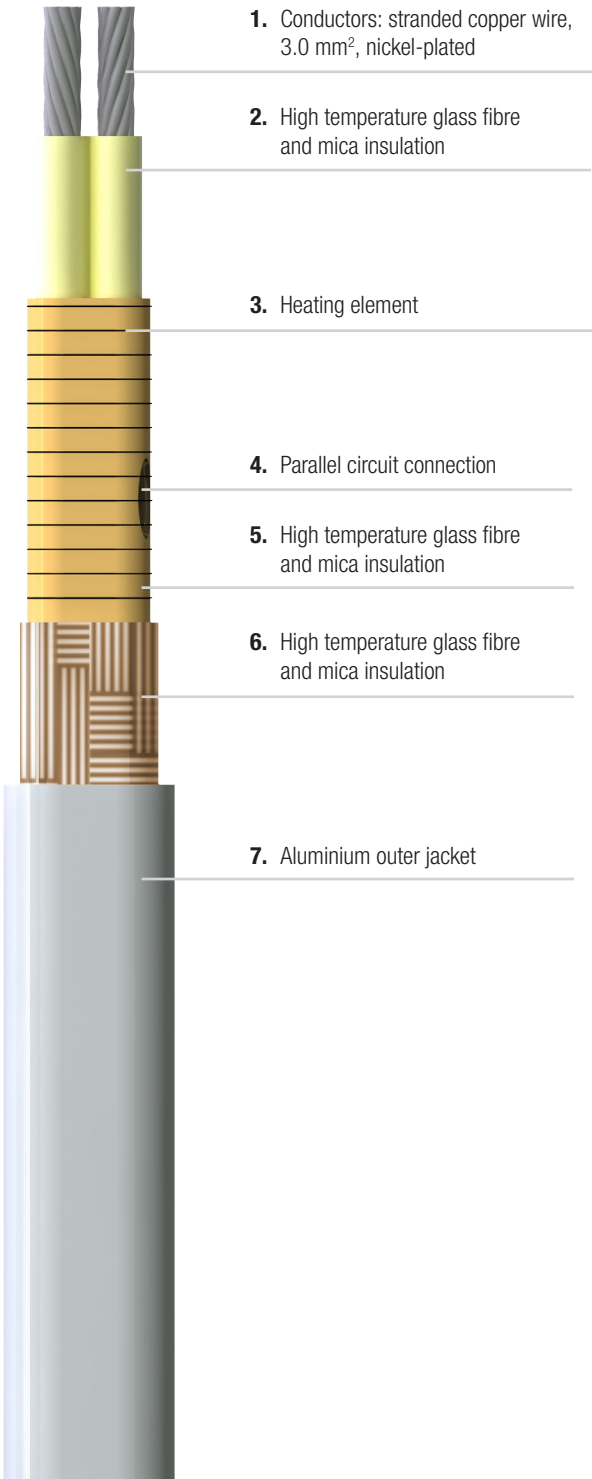




- High withstand temperature up to 350 °C
- Can be cut to length thanks to its parallel current supply
- Jacketed in a continuous aluminum extrusion for maximum mechanical strength
- Simple installation thanks to its high flexibility and favorable dimensions

BPL-AL is a parallel resistance trace heater that can be used for freeze protection or temperature maintenance in instrument tubing, pipework, and vessels requiring high power output or high exposure temperatures of up to 425 °C. It can be cut to length at site and can replace Mineral Insulated cables for applications where the cut to length feature is preferred. This feature considerably simplifies project engineering and installation. The trace heater is cut and terminated directly on the construction site according to the circumstances. Parallel resistance heaters formed by a coiled resistive heating element wrapped around two parallel buss wires. The distance between the contact points forms the heating zone length.



Explosion protection

Marking	Ⓔ II 2 G Ex e IIC T* Gb
	Ⓔ II 2 D Ex tb IIIC T# °C Db
T*and T# see table maximum pipe/work piece temperature	
Certification	SIRA 19ATEX3060
	IECEX SIR 19.0023
	CSA 70144884
Other approvals and certificates, see www.bartec.com	

Technical data

Nominal voltage	230V AC (277V AC), 115V AC
Max. exposure temperature	switched on +350 °C switched off +425 °C (Intermittent)
Min. operating temperature	-40 °C
Min. installation temperature	-40 °C
Dimensions	10,7 x 7,7 mm
Weight	16,5kg/100m
Min. bending radius	25 mm

Power Output

Type	5BPL-AL	10BPL-AL	15BPL-AL	20BPL-AL
Power output	15 W/m	30 W/m	50 W/m	70W/m

Maximum Pipe/Work piece Temperatures °C

Area Classification Hazardous ¹	Safe ²				
	T5	T4	T3	T2	T1
Catalog no.					
5BPL-AL	36	71	160	289	350
10BPL-AL	11	28	100	246	323
15BPL-AL	-	-	39	178	276
20BPL-AL	-	-	-	80	185

The above data is for **230 V**, for **277 V** applications contact factory representative

Notes

¹ Surface temperature limits in accordance with EN60079.

² Surface temperature limited by materials of construction (withstand temperature)

The maximum pipe and work piece temperature have to be ensured by design calculation (Stabilized design) or by temperature limiter (Controlled design)

Power Conversion Factors

Voltage	110 V	120 V	240 V	277 V
Power output	0.91	1.09	1.09	1.45

Zone length BPL2-A

5 BPL2-AL	1220 mm
10 BPL2-AL	900 mm
15 BPL2-AL	760 mm
20 BPL2-AL	650 mm

Zone length BPL1-AL

5 BPL1-AL	800 mm
10 BPL1-AL	700 mm
15 BPL1-AL	625 mm
20 BPL1-AL	500 mm

Max. heating circuit length 230 V - m

5 BPL2-AL	10 BPL2-AL	15 BPL2-AL	20 BPL2-AL
175	115	75	52

Max. heating circuit length 115 V - m

5 BPL1-AL	10 BPL1-AL	15 BPL1-AL	20 BPL1-AL
88	55	37	26

The above data is for **230 V**, for **277 V** applications contact factory representative.

Ordering information

BPL-AL parallel resistance heating cable	Type	Order no.
AC 230 V  explosion protection  media protected	5BPL2-AL	27-5875-20157000
	10BPL2-AL	27-5875-20307000
	15BPL2-AL	27-5875-20507000
	20BPL2-AL	27-5875-20707000
AC 115 V  explosion protection  media protected	5BPL1-AL	27-5875-10157000
	10BPL1-AL	27-5875-10307000
	15BPL1-AL	27-5875-10507000
	20BPL1-AL	27-5875-10707000