

TECHNICAL DATA SHEET

BLACK LOOSE RIBBON Outdoor and wet surface

Warmset's Black Loose Ribbon for **Outdoor Applications (BDBE)** is a flexible heating solution designed for small or irregular external areas where traditional mats cannot be used.

Based on Warmset's multilayer laminated ribbon technology, the product is **extruded with a waterproof resin layer** that ensures high mechanical strength and long-term resistance to weather conditions. Electrical connections are sealed with a **bi-component resin system, offering full protection against water damage.**

Its bifilar configuration allows for a single-side power feed and includes a 3-meter cold tail, extendable upon request.

Ideal for **outdoor applications** such as ramps, paths, roofs, and gutters, the BDBE ribbon is also suitable as an **anti-freeze system for pipes**, downspouts, and other installations where mats cannot be applied.

The product is **fully customizable** in terms of size, power, and voltage (24V, 48V, 120V, 230V, 240V, 380V), and is available in a wide range of standard lengths.



The product can be made in lengths from 10 to 150 meters and with any power rating

STANDARD SIZES AND POWERS

CUSTOMIZABLE SIZE & POWERS

15 W/m		
LENGTH	POWER (W)	CODE (NO ADHESIVE)
10	150 (W)	BDBE-10-15
13	195 (W)	BDBE-13-15
20	300 (W)	BDBE-20-15
30	450 (W)	BDBE-30-15
42	630 (W)	BDBE-42-15
59	885 (W)	BDBE-59-15
77	1155 (W)	BDBE-77-15
90	1350 (W)	BDBE-90-15
109	1635 (W)	BDBE-109-15
145	2175 (W)	BDBE-145-15

20 W/m		
LENGTH	POWER (W)	CODE (NO ADHESIVE)
11	220 (W)	BDBE-11-20
17	340 (W)	BDBE-17-20
26	520 (W)	BDBE-26-20
36	720 (W)	BDBE-36-20
59	1180 (W)	BDBE-59-20
72	1440 (W)	BDBE-72-20
94	1880 (W)	BDBE-94-20
109	2180 (W)	BDBE-109-20
125	2500 (W)	BDBE-125-20
145	2900 (W)	BDBE-145-20

30 W/m		
LENGTH	POWER (W)	CODE (NO ADHESIVE)
14	420 (W)	BDBE-14-30
23	690 (W)	BDBE-23-30
31	930 (W)	BDBE-31-30
40	1200 (W)	BDBE-40-30
48	1440 (W)	BDBE-48-30
63	1890 (W)	BDBE-63-30
76	2280 (W)	BDBE-76-30
82	2460 (W)	BDBE-82-30
90	2700 (W)	BDBE-90-30
103	2900 (W)	BDBE-103-30