



Datasheet

TIBGRID-STRETCH® 95-ISO IC 0,48-P8

Flexible heating grid with high elasticity:

- Composite applications (complex shapes or expandable membranes)
- SMART textiles applications or technical multilayers

Yarn used: CONDUCTIB I 0,48 (Heating yarn PTFE insulated)

Grid elasticity: Approximately 25%

Length of yarn per meter of grid: 12,88 m

Heating system width: 95 mm

Grid width: 100 mm (one edge of 5mm)

Pitch : 8 mm (retracted)

Linear Resistivity: 6,18 Ω/m (retracted)



TIBGRID-STRETCH® 95-ISO IC 0,48-P8			12V		24V		48V		230V	
<i>Heating T°C</i>	<i>Intensity</i>	<i>Equivalent power/m²</i>	<i>Grid length</i>	<i>Total power</i>	<i>Grid length</i>	<i>Total power</i>	<i>Grid length</i>	<i>Total power</i>	<i>Grid length</i>	<i>Total power</i>
40°C	2,40 A	375 W/m²	0,810 m	28,77 W	1,620 m	57,53 W	3,240 m	115,07 W	15,500 m	552,25 W
70°C	3,40 A	755 W/m²	0,571 m	40,81 W	1,142 m	81,61 W	2,284 m	163,23 W	10,950 m	781,72 W
90°C	3,80 A	940 W/m²	0,511 m	45,60 W	1,022 m	91,20 W	2,044 m	182,40 W	9,800 m	873,46 W
110°C	4,20 A	1150 W/m²	0,462 m	50,44 W	0,924 m	100,87 W	1,848 m	201,74 W	8,855 m	966,67 W
160°C	5,00 A	1630 W/m²	0,388 m	60,05 W	0,776 m	120,11 W	1,552 m	240,22 W	7,450 m	1148,98 W
230°C	5,80 A	2185 W/m²	0,335 m	69,56 W	0,670 m	139,11 W	1,340 m	278,22 W	6,415 m	1334,35 W

Remark: All these values are given for information and are measured in the open air.

For safety reasons, we recommend not to exceed 230°C and 230 Volts in our heating grids. For specific needs or higher voltages, thank you for contacting us.