

Self-Regulating Heating Cable Units PipeMate

Features

- The sections are ready for installation
- Fire safe product; due to the self-regulation effect the cable will not overheat
- Thermostat is not required that reduces the overall cost of organizing the electrical heating system
- Resistant to any atmospheric phenomena and UV-radiation
- Operating temperature up to minus 50 °C is suitable for severe climatic conditions
- Minimal energy consumption due to automatic adjustment of the cable to environmental conditions



Construction

1. 1.25 mm² nickel-plated copper conductors
2. Semi-conductive self-regulating matrix
3. Matrix insulation
4. Tinned copper braid or aluminium foil with grain conductor
5. Thermoplastic elastomer or fluoropolymer outer jacket



Application

Heating cable units PipeMate are designed for heating metal and plastic pipelines, water taps, valves.

- They are installed in one or two lines, depending on the size and material of the pipeline. The use of thermal insulation is required
- It is allowed to use sections for heating drainage systems of buildings and structures of facilities

Technical Data

Rated voltage	~220-240 V
Linear power at 10 °C	10 W/m
Screen	Copper braid
Minimum installation temperature	-30 °C
Minimum bending radius	30 mm
Maximum temperature during continuous operation (energized)	+60 °C / 85 °C
Ambient temperature range	-50 ... +50 °C
Ingress Protection	IP67
Plug on the wire	CEE 7/7
Installation wire length	2 m
Operating lifetime of the heating cable sections	minimum 10 years

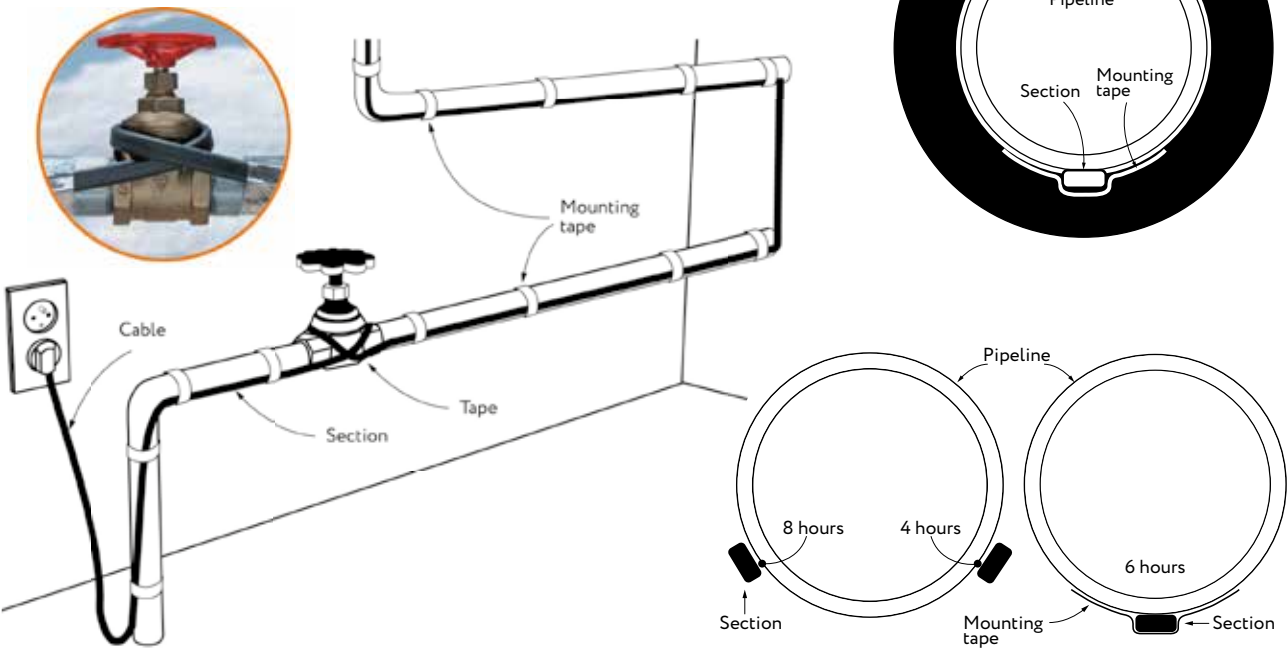
Types

Name	PipeMate Models	Order Codes
Heating cable section PipeMate 10 W/m 02 m	10-PM2-02-20	
Heating cable section PipeMate 10 W/m 04 m	10-PM2-04-20	
Heating cable section PipeMate 10 W/m 06 m	10-PM2-06-20	
Heating cable section PipeMate 10 W/m 08 m	10-PM2-08-20	
Heating cable section PipeMate 10 W/m 10 m	10-PM2-10-20	
Heating cable section PipeMate 10 W/m 15 m	10-PM2-15-20	
Heating cable section PipeMate 10 W/m 20 m	10-PM2-20-20	
Heating cable section PipeMate 10 W/m 25 m	10-PM2-25-20	
Heating cable section PipeMate 10 W/m 30 m	10-PM2-30-20	

Installation Scheme

PipeMate sections are designed for heating metal and plastic pipelines, water taps, valves.

The sections are installed in one or two lines, depending on the size and material of the pipeline. The use of thermal insulation is required. It is allowed to use sections for heating drainage systems of buildings and structures and facilities.



Cable Section Length Calculation

Section length, m													
Pipe diameter		Pipe length, m	1	2	3	4,5	6	9	12	15	18	21	24
Inches	mm	Pipe material											
1/2"	20	plastic	-	2	3	5	8	10	12	15	20	25	25
		metal	-	2	3	5	8	10	12	15	20	25	25
3/4"	25–26	plastic	-	2	3	5	8	10	12	15	20	25	25
		metal	-	2	3	5	8	10	12	15	20	25	25
1"	32	plastic	-	2	3	5	8	10	12	15	20	25	25
		metal	-	2	3	5	8	10	12	15	20	25	25
1 1/2"	45–50	plastic	2	4	8	10	12	20	25	2x15	2x20	2x25	2x25
		metal	-	2	3	5	8	10	12	15	20	25	25
2"	57–63	plastic	2	4	8	10	12	20	25	2x15	2x20	2x25	2x25
		metal	2	4	8	10	12	20	25	2x15	2x20	2x25	2x25
3"	89–90	plastic	2	4	8	10	12	20	25	2x15	2x20	2x25	2x25
		metal	2	4	8	10	12	20	25	2x15	2x20	2x25	2x25