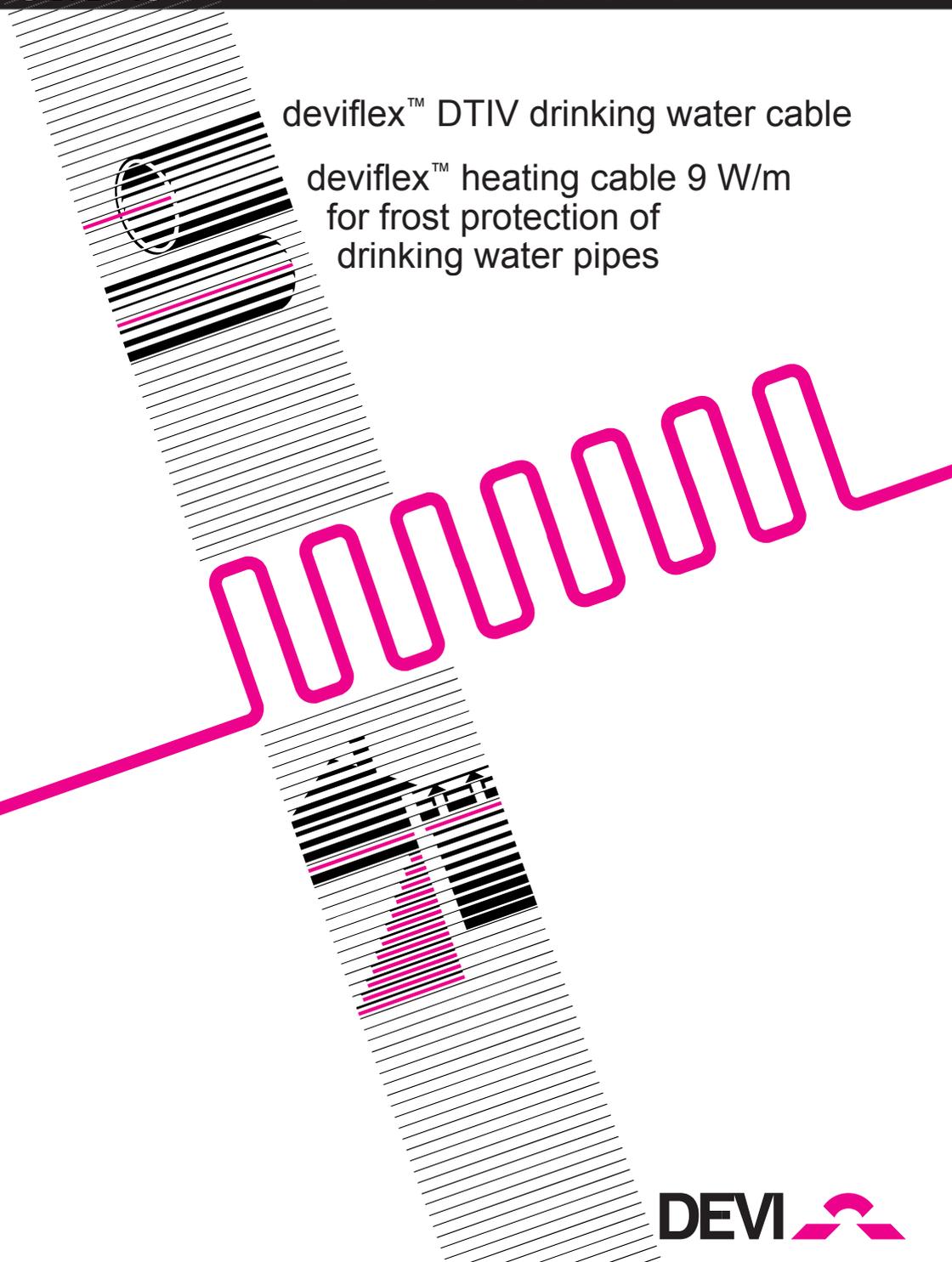
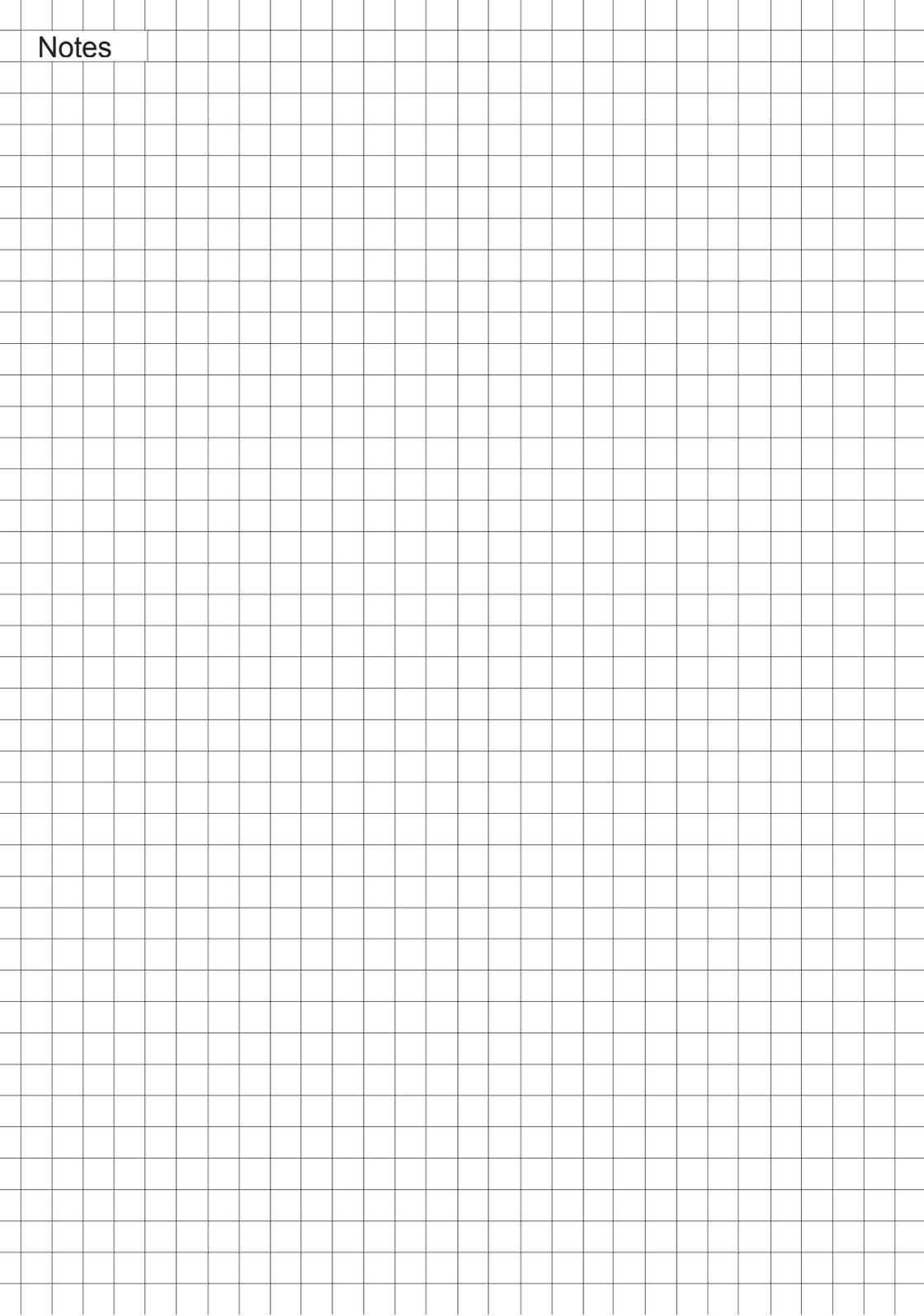


deviflex™ DTIV drinking water cable

deviflex™ heating cable 9 W/m
for frost protection of
drinking water pipes



Notes



deviflex™ DTIV-9 drinking water cable

deviflex™ DTIV is a twin conductor heating cable with polyethylene outer sheath, designed for installation in drinking water pipes.
deviflex™ DTIV can be installed in

existing as well as new pipes.
When deviflex™ DTIV is installed in pipes, a reliable and troublefree supply of water is ensured at all times without freezing over.

Cabel specifications

deviflex™ DTIV is delivered fully assembled with coupling and 2.5 m cold tail. The effect is approx. 9 W/m heating cable. The cabel is approved by VTT in Finland and does not contain PVC or Halogen

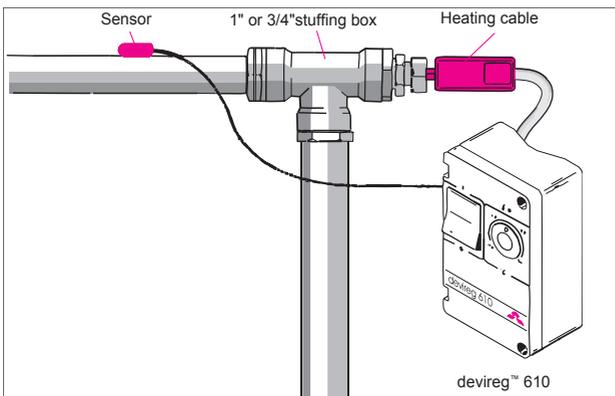
Connection	
Live	- Brown
Neutral	- Blue
Screen	- Cupper

Cable type:	DTIV Twin conductor with screen
Conductor insulation:	XLPE
Outer sheath:	Polyethylene (MDPE)
Supply voltage:	230 V~
Effect:	9 W/m at 230V
Surface temp:	Max. 65°C
Ambient temp when on	Max. 23°C
Diameter:	5.5 x 7.5 mm
Bending radius:	Min. 5 cm.
Cold tail:	2.5 m - 2 x 1.5 mm ² + screen
Nipple:	1" and 3/4"
Max pull	20 Kg.

General installation instructions

The following instructions must be observed when installing deviflex™ DTIV heating cables:

1. The heating cable should be properly connected to the main electrical source.
2. Connection of the heating cable must be made by an authorized electrician.
3. The maximum effect for the different installations and operating effects must be observed.
4. The heating cable must not be pulled through valves and must be protected against excess strain and tension.
5. The heating cable's bending diameter must not be less than 6 x the cables own diameter.
6. The heating cable's screen must be earthed in accordance with the local electricity laws.
7. The heating cable must not be cut or exposed to strain in the areas of the cold cable coupling or end coupling.
8. The whole heating cable, except the connection box and cold cable must be placed inside the water pipe.
9. When turning on the heating cable ensure that the pipe is containing water.
10. The heating cable's resistance value should be measured after the installation. The heating cable's resistance value should be as stated on the coupling label: -5 - +10%.
11. Heating cables installed in water pipes must be connected via a RCD.
12. It must be possible to turn the heating cable off. We recommend a devireg™ thermostat (see later).
13. A piece of non conductive tape must be placed between the sensor and the pipe
14. The cable must be installed according to local installation regulation.



Dimensioning

Pipe diameter	Effect in Watt per m. (Insulated pipe)			Effect in Watt per m. (Pipe not insulated)		
mm	Insulation in mm			Soil-depth in cm		
	25	40	50	50	80	100
26	5.0	5.0	4.5	6.0	5.5	5.0
32	7.0	6.0	5.5	7.5	7.0	6.0
39	8.0	7.0	6.5	8.0	7.5	6.5
52	10.0	7.5	7.0	10.0	8.0	7.0
78	12.0	9.0	7.5	16.0	13.0	11.0
104	14.0	11.0	9.0	20.0	16.0	14.0

$\Delta T = 20^{\circ}\text{C}$

Regulating

The optimal control of deviflex™ heating cables is achieved by using devireg™ electronic thermostat. devireg™ thermostats give a quick and effective regulation and take into consideration both comfort and economy.

There are a wide variety of devireg™ thermostats which can be chosen

according to the demands of the individual installation.

The sensor cable can be extended with up to 50 m with a 0.75 mm².cable.

Thermostats

devireg™	Current	Voltage	Load	Temp. field	Sensor	Night set-back	Hysteresis
610	10 A	250 V	2300 W	-10° - +50°C	NTC	-	0,4°C
316	16 A	250 V	3600 W	-10° - +50°C	NTC	0° - 8°C	0,2° - 6°C
330	16 A	250 V	3600 W	-10° - +10°C	NTC	-	0,4°C
	16 A	250 V	3600 W	+5° - +45°C	NTC	5°C	0,4°C

Sensors and accessories

- Cable-sensor - 15.0 m.
- Aluminium tape

The **DEVI** Warranty:

You have purchased a deviflex™ cable, which we are certain will increase your comfort and economy.

If, however, contrary to all expectations, a problem should occur with your heating system, we at **DEVI**, with manufacturing units in Denmark, are, as European Union suppliers, are subject to general product liability rules, as stated in Directive 85/374/CEE, and all relevant national laws which implies that:

DEVI provides a warranty for deviflex™ heating cables for a 10 year period and all other **DEVI** products for a 2 year period against defects in material and production.

The guarantee is granted on the conditions that the WARRANTY CERTIFICATE on the overleaf is filled out properly in accordance to instructions and that the defect is inspected by, or presented to, **DEVI** or authorised **DEVI** distributor.

Please note, that the wording of the WARRANTY CERTIFICATE must be provided in english or local language with the ISO code for your country in the upper left corner of the front page of the installation instruction in order to release the warranty.

The obligation of **DEVI** will be to repair or supply a new unit, free of charge to the customer, without secondary charges linked to repairing the unit. In case of defective devireg™ thermostats, **DEVI** reserves the right

to repair the unit free of charge and without unreasonable delay to the customer.

The **DEVI** warranty only covers connections made by authorised electricians and installations performed in accordance with the installation instruction, and does not cover faults caused by incorrect designs supplied by others, misuse, damage caused by others, or incorrect installation or any subsequent damage, that may occur. If **DEVI** is required to inspect or repair any defects caused by any of the above, then all work will be fully chargeable.

The **DEVI** warranty is void, if payment of the equipment is in default.

At all times, we at **DEVI** will respond honestly, efficiently and promptly to all queries and reasonable requests from our customers.

The above mentioned warranty concerns product liability whereas matters in relation to legislation on sale of goods shall be referred to national law.



Warranty Certificate

The **DEVI** Warranty is granted to:

Name:

Phone:

Address:

Postal code:

Please Observe!

In order to obtain the **DEVI** Warranty, the following must be carefully filled in. See other conditions on the overleaf.

Cable layout contractor:

Lay-out date:

Electrical Installation by:

Installation date:

Cable length:

Watt:

Stock code:

Cable code:

Connection box code:

Application:

- Pipes

Suppliers Stamp:

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