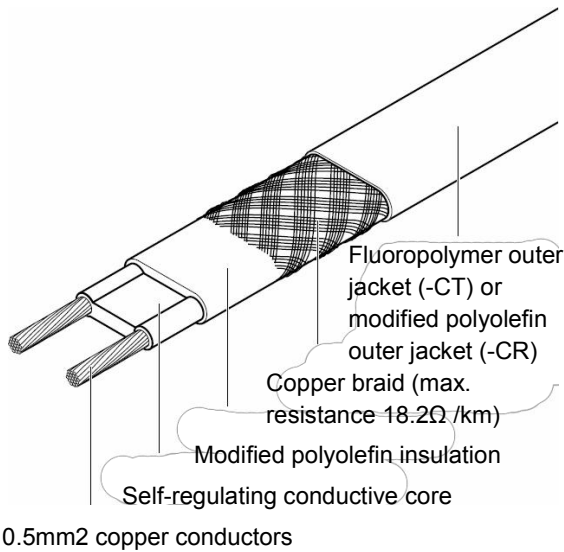


Heating cable construction



Description

The DWK family of self-regulating heating cables provides the solution to water pipe freeze-protection for residential application. DWK heating cables have the maximum maintain or continuous exposure temperature 65 °C and can withstand intermittent exposure to temperatures up to 85°C.

Features

- Lower installed cost than steam tracing, less maintenance expense and less downtime.
- Easy installation due to on-site assembly and can be cut to any length (up to max circuit length) required on site with no wasted cables
- Energy efficient, automatically varies it's power output in response to pipe temperature changes
- Self-limiting, without overheating or burnout even while overlapping
- Installation in residential, commercial
- Very suitable for use on/in small pipes such as home water pipes
- 2-year limited warranty against manufacturing defects

Application

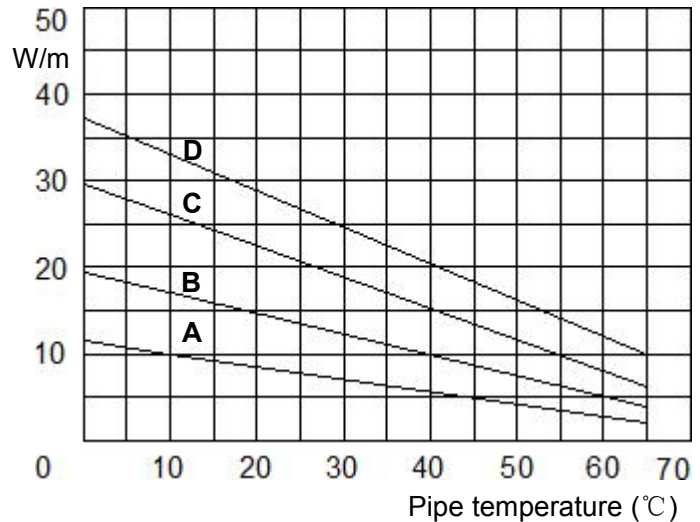
Area classification	Residential Ordinary
Traced surface type	Carbon steel, Stainless steel Plastic Painted or unpainted metal
Chemical resistance	For organic corrosives: use -CT (fluoropolymer outer jacket) For mild inorganic solutions: use -CR (PE outer jacket) For aggressive organics and corrosives consult your local Minco representative

Specifications

Supply voltage	230V, 120V Contact your local Minco representative for data on other voltages	
Maximum maintain or continuous exposure temperature (power on/off)	65°C	
Maximum intermittent exposure temperature (power on/off)	85°C Maximum cumulative exposure 1000 hours	
Temperature classification	T6	
Minimum installation temperature	-40°C	
Minimum bend radius	at 20°C: 13mm at -40°C: 35mm	
Product	DWK-CR730	DWK-CT730
Thickness (mm)	5.5	5.2
Width (mm)	8.5	8.2
Weight (g/m)		

Thermal output rating

Nominal power output at 230Vac on insulated steel pipes @ 10°C		W/m
A	10DWK2-CT, 10DWK2-CR	10
B	17DWK2-CT, 17DWK2-CR	17
C	26DWK2-CT, 26DWK2-CR	26
D	33DWK2-CT, 33DWK2-CR	33



Maximum circuit length (m)

based on type “C” circuit breakers according to EN 60898

Electrical protection sizing	Start-up temperature	Maximum heating cable length per circuit (m)			
		10DWK2	17DWK2	26DWK2	33DWK2
10A	+10°C	120	85	60	45
	-15°C	90	55	35	25
	-30°C	70	40	25	15
16A	+10°C	140	100	75	50
	-15°C	120	80	50	30
	-30°C	100	60	35	20

The above numbers are for circuit length estimation only. For more detailed information please contact your local Minco representative. Minco requires the use of a 30 mA residual current device to provide maximum safety and protection from fire. Where design results in higher leakage current, the preferred trip level for adjustable devices is 30 mA above any inherent capacitive leakage characteristic of the heater as specified by the trace heater supplier or alternatively, the next common available trip level for non adjustable devices, with a maximum of 300 mA. All safety aspects need to be proven.

Components

Minco offers a full range of components for power connections, splices and end seals. These components must be used to ensure proper functioning of the product and compliance with electrical requirements.