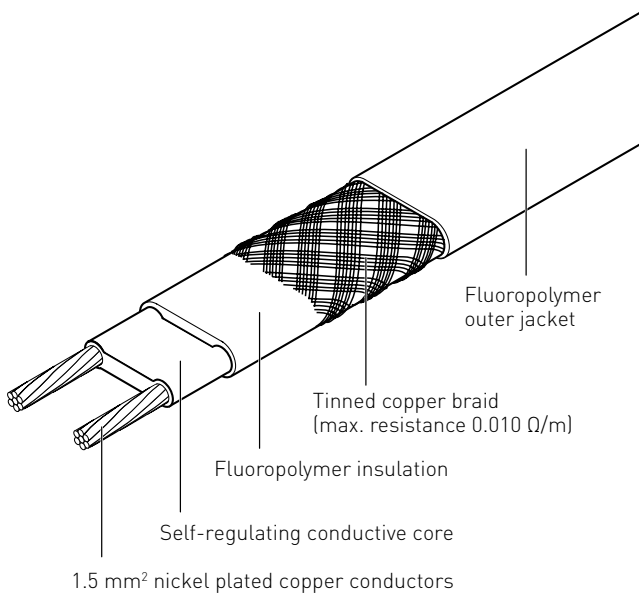


HEATING CABLE CONSTRUCTION



Electrical heat-tracing for process temperature maintenance applications up to 150°C /200°C which may be subject to steam cleaning.

The UFO family of self-regulating, parallel circuit heating cables is used for process temperature maintenance of pipes and vessels.

It can also be used for frost protection of large pipes and for applications requiring high temperature exposure capability.

APPLICATION


Area classification	Hazardous, Zone 1, Zone 2 (Gas), Zone 21, Zone 22 (Dust) Ordinary
Traced surface type	Carbon steel Stainless steel Painted or unpainted metal
Chemical resistance	Organics and corrosives For aggressive organics and corrosives consult your local SANTO representative

SUPPLY VOLTAGE

Supply Voltage	230 Vac
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APPROVALS

Approvals	The UFO heating cables are approved for use in hazardous areas by PTB and Baseefa Ltd. The UFO heating cables are approved by DNV for use on ships and mobile off shore units.
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Approvals	 For Russia, Kazakhstan, Belarus. For other countries contact your local SANTO representative.
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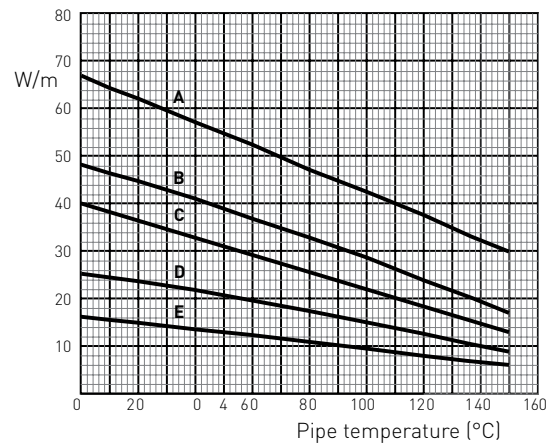
SPECIFICATIONS

Maximum maintain or continuous exposure temperature (power on)	150°C/200°C
Maximum intermittent exposure temperature (power on/off)	205°C/250°C (*) Maximum cumulative exposure 1000 hours (*) The 250°C rating applies to all products printed "MAX INTERMITTENT EXPOSURE 250C".
Temperature classification	T2
Based on systems approach*	T3-T6

Minimum installation temperature	-60°C
Minimum bend radius	at 20°C: 26 mm at -60°C: 51 mm

THERMAL OUTPUT RATING

Nominal power output at 230 Vac on insulated steel pipes	A 20UFO-CT B 15UFO-CT C 12UFO-CT D 8UFO-CT E 5UFO-CT
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	5UFO-CT	8UFO-CT	12UFO-CT	15UFO-CT	20UFO-CT
Nominal power output (W/m at 10°C)	17	26	40	50	66

PRODUCT DIMENSIONS (NOMINAL) AND WEIGHT

	5UFO-CT	8UFO-CT	12UFO-CT	15UFO-CT	20UFO-CT
Thickness (mm)	5.2	5.2	5.2	5.2	5.2
Width (mm)	13.0	13.0	13.0	13.0	13.0
Weight (g/m)	150	150	150	150	150

MAXIMUM CIRCUIT LENGTH BASED ON TYPE 'C' CIRCUIT BREAKERS ACCORDING TO EN 60898

Electrical protection sizing	Start-up temperature	Maximum heating cable length per circuit (m)				
		5UFO-CT	8UFO-CT	12UFO-CT	15UFO-CT	20UFO-CT
16 A	-20°C	71	66	54	42	28
	+10°C	85	73	59	45	31
25 A	-20°C	107	78	70	63	45
	+10°C	121	86	78	70	52
32 A	-20°C	121	95	85	75	59
	+10°C	121	95	87	80	70
40 A	-20°C	121	95	87	80	73
	+10°C	121	95	87	80	77

ORDERING DETAILS

Part description	5UFO-CT	8UFO-CT	15UFO-CT	20UFO-CT
Part No.	2000-017	2000-018	2000-019	2000-020

COMPONENTS

SANTO 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.