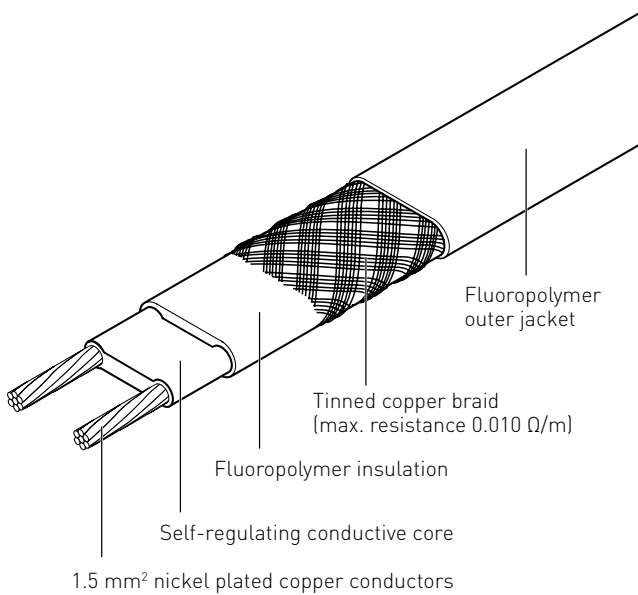


HEATING CABLE CONSTRUCTION



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

The UFC 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 UFC heating cables are approved for use in hazardous areas by PTB and Baseefa Ltd.
Approvals	The UFC heating cables are approved by DNV for use on ships and mobile offshore units.

Approvals	EAC (or Russia, Kazakhstan, Belarus) For other countries contact your local SANTO representative.
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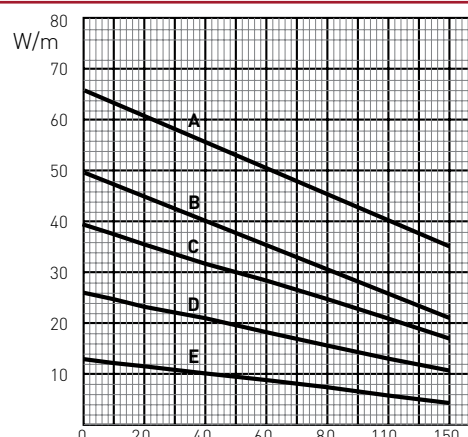
SPECIFICATIONS

Maximum maintain or continuous exposure temperature (power on)	150°C
Maximum intermittent exposure temperature (power on/off)	200°C (*) Maximum cumulative exposure 1000 hours (*) The 250°C rating applies to all products printed "MAX INTERMITTENT EXPOSURE 250C".
Temperature classification	T2: 20UFC-CT T3: 4UFC-CT 8UFC-CT 10UFC-CT 15UFC-CT
Based on systems approach*	T3-T6

Minimum installation temperature	-60°C
Minimum bend radius	at 20°C: 13 mm at -60°C: 51 mm

THERMAL OUTPUT RATING

Nominal power output at 230 Vac on insulated steel pipes	A 20UFC-CT
	B 15UFC-CT
	C 12UFC-CT
	D 8UFC-CT
	E 4UFC-CT



Pipe temperature (°C)

	4UFC-CT	8UFC-CT	12UFC-CT	15UFC-CT	20UFC-CT
Nominal power output (W/m at 10°C)	13	26	40	50	66

PRODUCT DIMENSIONS (NOMINAL) AND WEIGHT

	4UFC-CT	8UFC-CT	12UFC-CT	15UFC-CT	20UFC-CT
Thickness (mm)	4.5	4.5	4.8	4.8	4.8
Width (mm)	12.5	12.5	11.7	11.7	11.7
Weight (g/m)	130	130	130	130	130

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)				
		4UFC-CT	8UFC-CT	12UFC-CT	15UFC-CT	20UFC-CT
16 A	-20°C	95	63	45	38	28
	+10°C	101	73	52	42	31
25 A	-20°C	110	95	73	59	45
	+10°C	121	101	84	63	49
32 A	-20°C	121	105	85	73	56
	+10°C	121	105	90	78	63
40 A	-20°C	121	105	90	80	68
	+10°C	121	105	90	80	68

UFC

ORDERING DETAILS

Part description	4UFC-CT	8UFC-CT	12UFC-CT	15UFC-CT	20UFC-CT
Part No.	2000-012	2000-013	2000-014	2000-015	2000-016

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.