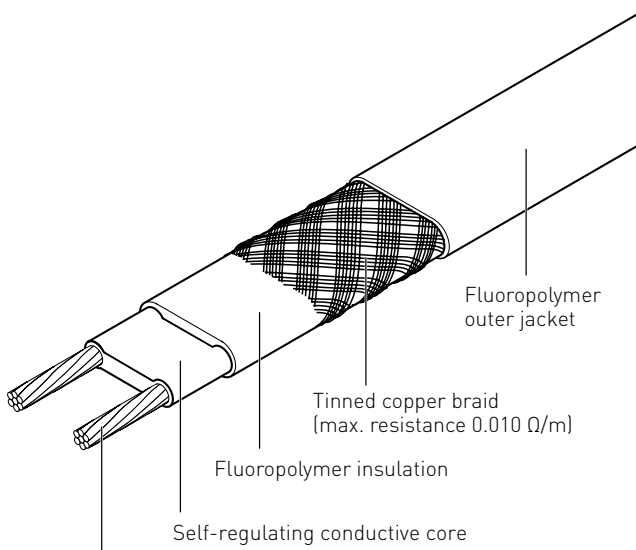


SELF-REGULATING HEATING CABLE

HEATING CABLE CONSTRUCTION



1.4 mm² nickel plated copper conductors (10 and 15UFB-CT)
2.3 mm² nickel plated copper conductors (20UFB-CT)

Electrical heat-tracing for process temperature maintenance applications up to 110°C which are not subject to steam cleaning.

The UFB 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 medium 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

230 Vac

APPROVALS

The UFB heating cables are approved for use in hazardous areas by PTB and Baseefa Ltd.

The UFB heating cables are approved by DNV for use on ships and mobile offshore units.

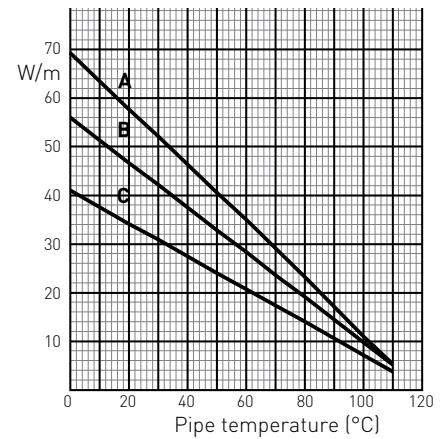
ERC (Russia, Kazakhstan, Belarus)
For other countries contact your local SANTO representative.

SPECIFICATIONS

Maximum maintain or continuous exposure temperature (power on/off)	110°C
Maximum intermittent exposure temperature (power on/off)	110°C
Temperature classification	T4
Minimum installation temperature	-60°C
Minimum bend radius	at 20°C: 13 mm at -60°C: 35 mm

THERMAL OUTPUT RATING

Nominal power output at 230 Vac on insulated steel pipes	A	20UFB-CT
	B	15UFB-CT
	C	10UFB-CT



	10UFB-CT	15UFB-CT	20UFB-CT
Nominal power output (W/m at 10°C)	33	50	66

PRODUCT DIMENSIONS (NOMINAL) AND WEIGHT

	10UFB-CT	15UFB-CT	20UFB-CT
Thickness (mm)	4.8	4.8	4.8
Width (mm)	12.5	12.5	12.5
Weight (g/m)	126	126	126

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)		
		10UFB-CT	15UFB-CT	20UFB-CT
16 A	-20°C	65	63	47
	+10°C	80	63	47
25 A	-20°C	95	75	60
	+10°C	115	95	75
32 A	-20°C	115	100	75
	+10°C	115	100	95
40 A	-20°C	115	100	95
	+10°C	115	100	115

Part description	10UFB-CT	15UFB-CT	20UFB-CT
Part No.	2000-009	2000-010	2000-011

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.