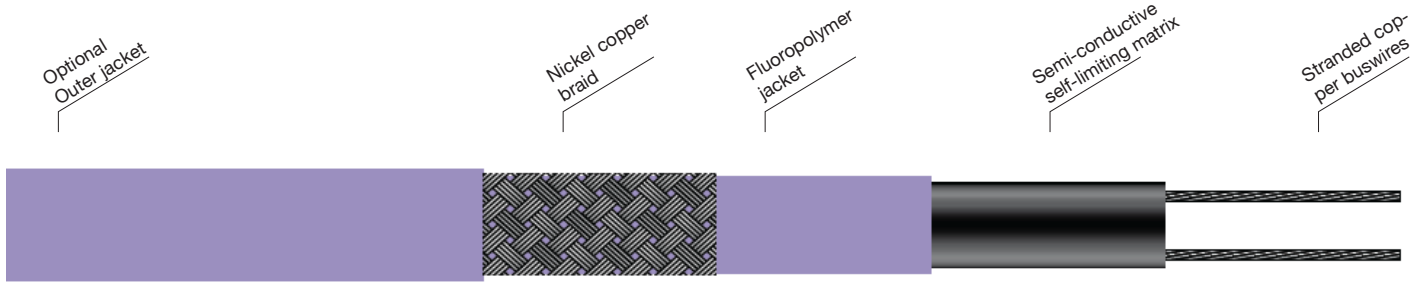


# Selfregulating heating tape Type FSU up to 250°C\*



Electrical heating tape for process heating or temperature maintenance of pipework and vessels where high temperature withstand is required

- Automatically adjusts heat output in response to increasing or decreasing pipe temperature
- Can be cut to length with no wastage
- Will not overheat or burnout
- Available for 220/240VAC (110/120VAC on demand)
- High power outputs up to 90W/m
- Full range of controls and accessories
- Approval to International Standards for hazardous and corrosive environments.
- Inherently temperature safe

**Features:**

FSU is an industrial grade, self-regulating heating cable that can be used for applications ranging from process heating or maintenance of temperatures up to 200°C.

It can be cut to length on site and exact piping lengths can be matched without any complicated design considerations.

FSU is used where high temperatures are required and where the heater must be capable of withstanding high exposure temperatures up to 250°C\*.

Its self-regulating characteristics improve safety and reliability. FSU will not overheat or burnout.

The installation of FSU heating tape is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

\*Limited to 240°C only in hazardous areas.

**Options:**

**FSU**

Unbraided base heater protected against corrosive chemical solutions and vapours. Heaters must have additional protection from mechanical damage in service.

**FSU..N**

Nickel plated braid for where traced equipment does not provide an effective earth path, eg. plastic pipework. Heaters must have additional protection from mechanical damage in service.

**FSU..NF**

Fluoropolymer outerjacket over nickel plated braid provides additional protection where corrosive chemical solutions or vapours may be present.

Maximum permissible temp..... 250°C (482°F)\*  
ON or OFF

\*Limited to 240°C only in hazardous areas

Minimum installation temp..... -40°C (-40°F)

Temperature classification..... 75 & 90W/m = T2 (300°C)  
15-60W/m = T3 (200°C)

Power supply.....220-240VAC  
(110-120VAC on demand)

Maximum resistance

of protective braiding ..... 18.2 Ohm/km

**Weight & dimensions**

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min. bending radius @-20°C	Gland size
FSU	10.4x3.4	7.6	20mm	M20
FSU..N	11.4x4.4	11.7	25mm	M20
FSU..NF	12.2x5.2	15.4	30mm	M20

N denotes nickel plated copper braid

**Approval details**

Testing authority	Certificate no.	Standard
IEC	Sira Ex 02Y3063x	IEC60079-0:2000 IEC60079-7:2001 IEC62086-0:2001
ATEX 	Sira ATEX3073x Sira ATEX3072	IEC60079-0:2009 IEC60079-31:2008 EN60079-30-1:2007
CSA 	214197-1295278	C22.2 No. 130.1 C22.2 No. 130.2 C22.2 No. 138
Standard Area Approval		Zone 1 and Zone 2
GOST R 	GB.ГБ05.В02364	GOST R 51330.0-99 (МЭК 60079-0-98) GOST R 51330.8-99

## Selfregulating heating tape Type FSU up to 250°C\*

Stranded copper buswires

Semi-conductive self-limiting matrix

Fluoropolymer jacket

Nickel copper braid

Optional Outer jacket



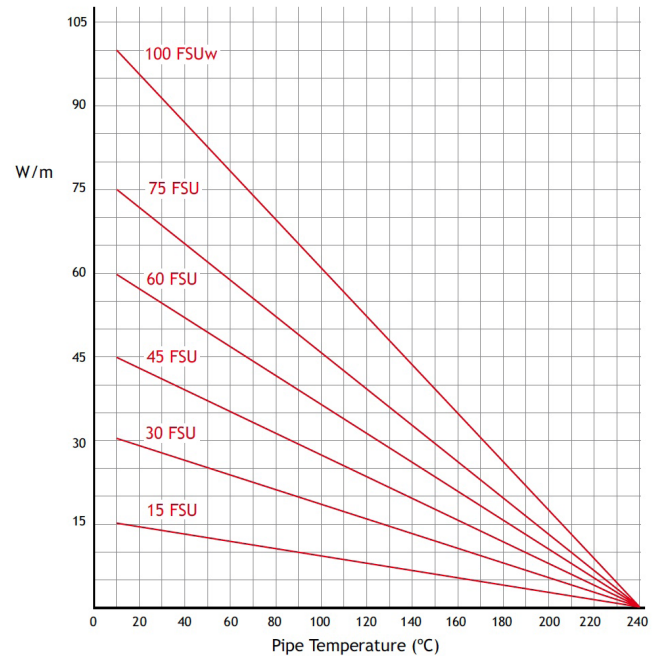
### Maximum Length (m) vs. Circuit breaker size

Cat Ref	Start-up Temp.	230V			
		10A	16A	20A	32A
15FSU	10°C	76	122	154	154
	0°C	70	112	140	146
	-20°C	62	98	122	138
	-40°C	52	82	102	126
30FSU	10°C	52	82	102	108
	0°C	46	74	92	104
	-20°C	40	66	82	98
	-40°C	30	50	62	88
45FSU	10°C	38	62	76	88
	0°C	32	52	66	84
	-20°C	24	38	46	76
	-40°C	14	24	28	46
60FSU	10°C	24	38	46	76
	0°C	18	30	36	58
	-20°C	12	20	26	42
	-40°C	8	12	16	24
75FSU	10°C	14	24	28	46
	0°C	12	18	22	36
	-20°C	8	12	16	24
	-40°C	4	8	10	14
100FSUw	10°C	14	22	28	46
	0°C	12	18	24	36
	-20°C	8	14	16	26
	-40°C	6	10	12	20

For use with Type C circuit breakers to BS EN60898:1991

### Thermal ratings

Nominal output @ 230V when installed on insulated metal pipe. W/m.



Description	Power	Part no.
15FSU 2-NF	15W/m	3666015
30FSU 2-NF	30W/m	3666030
45FSU 2-NF	45W/m	3666045
60FSU 2-NF	60W/m	3666060
75FSU 2-NF	75W/m	3666075
100FSUw 2-NF	100W/m	

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