

ELEKTRA Heating Cables

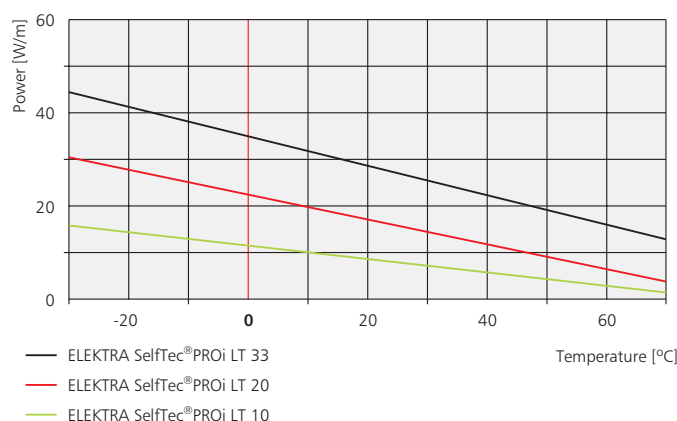
SelfTec®PROi LT 

ELEKTRA SelfTec®PROi LT self-regulating heating cables have been designed for commercial and industrial applications, such as protection of pipes against frost and maintaining required process temperatures up to +65°C. These products are dedicated for both types of installations, in hazardous and non-hazardous areas. Optimal chemical properties and high UV resistance of HFFR outer sheath allow a wide range of applications.



ELEKTRA SelfTec®PROi LT

Function of the heating power vs. insulated steel pipe temperature



This package contains:

- ELEKTRA SelfTec®PROi LT heating cable on a spool.

ELEKTRA SelfTec®PROi LT



- ① Tin-coated multi-wire copper conductor
- ② Self-regulating conductive core
- ③ Modified polyolefin insulation
- ④ Tinned copper braiding
- ⑤ HFFR outer sheath



> Technical data:

Heating cable construction:

- tin-coated multi-wire copper conductor:
1.11 mm² (10, 20 W/m)
1.37 mm² (33 W/m)
- self-regulating conductive core
- modified polyolefin insulation
- tinned copper braiding
- HFFR outer sheath

Shape:

flat

Dimensions:

11.3 ± 0.2 x 6.7 ± 0.2 mm (10, 20 W/m)
13.4 ± 0.2 x 6.7 ± 0.2 mm (33 W/m)

Resistance range:

variable, temperature depending

Power output (nominal):

10, 20, 33 W/m (+10°C)

Max. working temperature:

+65°C

Max. exposure temperature:

+85°C (power supply off)

Min. installation temperature:

-40°C

Min. cable bending radius:

25 mm

Power supply:

230 V AC

Insulation test voltage:

2500 V

Standards:

EN 62395-1, EN 60079-30-1, EN 60079-0

Approvals:

ATEX KDB 18ATEX0014U

Ⓜ II 2G Ex 60079-30-1 IIC T6 Gb

Ⓜ II 2D Ex 60079-30-1 IIIC T85°C Db

IECEx KDB 18.0001U

Ex 60079-30-1 IIC T6 Gb

Ex 60079-30-1 IIIC T85°C Db

Product marking:

Ex, CE, EAC

Temperature class:

T6



TWIN
CONDUCTOR



MULTI
WIRE
CONDUCTOR



LARGE
CROSS
SECTION



PVC
FREE

START-UP TEMPERATURE	SelfTec®PROi LT 10 W/m			SelfTec®PROi LT 20 W/m				SelfTec®PROi LT 33 W/m			
	CIRCUIT-BREAKER, C-TYPE										
	10A	16A	20A	10A	16A	20A	32A	16A	20A	32A	40A
	MAX. CABLE LENGTH PER CIRCUIT [m]										
-20°C	85	125	180	45	65	90	120	50	65	85	100
0°C	115	170	205	60	90	120	135	60	75	95	110
+10°C	130	205	205	80	110	135	135	70	80	110	120

ELEKTRA Heating Cables

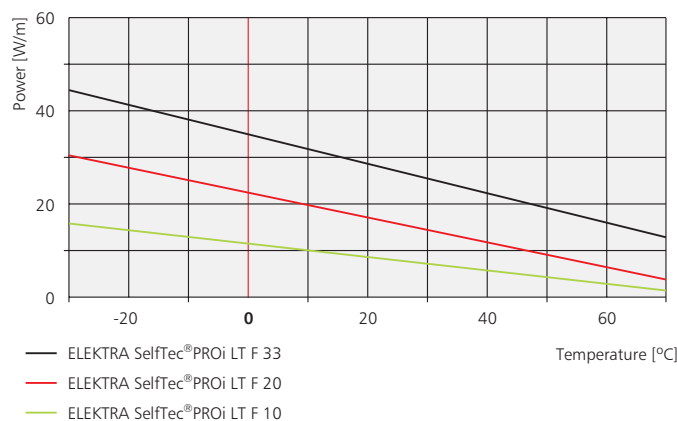
SelfTec®PROi LT F 

ELEKTRA SelfTec®PROi LT F self-regulating heating cables have been designed for commercial and industrial applications, such as protection of pipes against frost and maintaining required process temperatures up to +65°C. These products are dedicated for both types of installations, in hazardous and non-hazardous areas. High chemical properties of fluoropolymer outer sheath allow a wide range of applications.



ELEKTRA SelfTec®PROi LT F

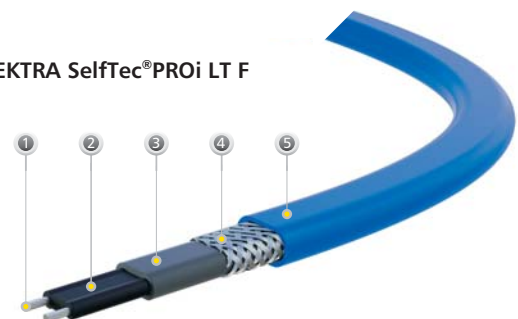
Function of the heating power vs. insulated steel pipe temperature



This package contains:

- ELEKTRA SelfTec®PROi LT F heating cable on a spool.

ELEKTRA SelfTec®PROi LT F



- ① Tin-coated multi-wire copper conductor
- ② Self-regulating conductive core
- ③ Modified polyolefin insulation
- ④ Tinned copper braiding
- ⑤ Fluoropolymer outer sheath



> Technical data:

Heating cable construction:

- tin-coated multi-wire copper conductor:
1.11 mm² (10, 20 W/m)
1.37 mm² (33 W/m)
- self-regulating conductive core
- modified polyolefin insulation
- tinned copper braiding
- fluoropolymer outer sheath

Shape:

flat

Dimensions:

10.7 ±0.2 x 6.1 ±0.2 mm (10, 20 W/m)
12.8 ±0.2 x 6.1 ±0.2 mm (33 W/m)

Resistance range:

variable, temperature depending

Power output (nominal):

10, 20, 33 W/m (+10°C)

Max. working temperature:

+65°C

Max. exposure temperature:

+85°C (power supply off)

Min. installation temperature:

-40°C

Min. cable bending radius:

25 mm

Power supply:

230 V AC

Insulation test voltage:

2500 V

Standards:

EN 62395-1, EN 60079-30-1, EN 60079-0

Approvals:

ATEX KDB 18ATEX0014U

Ⓢ II 2G Ex 60079-30-1 IIC T6 Gb

Ⓢ II 2D Ex 60079-30-1 IIIC T85°C Db

IECEX KDB 18.0001U

Ex 60079-30-1 IIC T6 Gb

Ex 60079-30-1 IIIC T85°C Db

Product marking:

Ex, CE, EAC

Temperature class:

T6



TWIN
CONDUCTOR



MULTI
WIRE
CONDUCTOR



LARGE
CROSS
SECTION



FLUORO
POLYMER
OUTER SHEATH

START-UP TEMPERATURE	SelfTec®PROi LT F 10 W/m			SelfTec®PROi LT F 20 W/m				SelfTec®PROi LT F 33 W/m			
	CIRCUIT-BREAKER, C-TYPE										
	10A	16A	20A	10A	16A	20A	32A	16A	20A	32A	40A
	MAX. CABLE LENGTH PER CIRCUIT [m]										
-20°C	85	125	180	45	65	90	120	50	65	85	100
0°C	115	170	205	60	90	120	135	60	75	95	110
+10°C	130	205	205	80	110	135	135	70	80	110	120

ELEKTRA Heating Cables

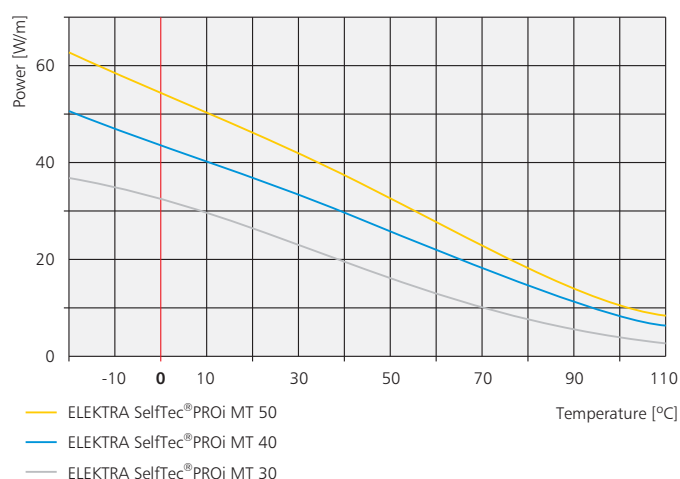
SelfTec®PROi MT 

ELEKTRA SelfTec®PROi MT self-regulating heating cables have been designed for commercial and industrial applications, such as protection of pipes against frost and maintaining required process temperatures up to +110°C. These products are dedicated for both types of installations, in hazardous and non-hazardous areas. HFFR outer sheath provides high UV resistance and optimal chemical and temperature properties.



ELEKTRA SelfTec®PROi MT

Function of the heating power vs. insulated steel pipe temperature



This package contains:

- ELEKTRA SelfTec®PROi MT heating cable on a spool.

ELEKTRA SelfTec®PROi MT



- 1 Nickel-coated multi-wire copper conductor
- 2 Self-regulating conductive core
- 3 XLEVA insulation
- 4 Tinned copper braiding
- 5 HFFR outer sheath



> Technical data:

Heating cable construction:

- nickel-coated multi-wire copper conductor:
1.11 mm² (30, 40 W/m)
1.21 mm² (50 W/m)
- self-regulating conductive core
- XLEVA insulation
- tinned copper braiding
- HFFR outer sheath

Shape:

flat

Dimensions:

13.9 ±0.2 x 6.3 ±0.2 mm (30, 40 W/m)
15.1 ±0.2 x 6.3 ±0.2 mm (50 W/m)

Resistance range:

variable, temperature depending

Power output (nominal):

30, 40, 50 W/m (+10°C)

Max. working temperature:

+110°C

Max. exposure temperature:

+135°C (power supply off)

Min. installation temperature:

-50°C

Min. cable bending radius:

25 mm

Power supply:

230 V AC

Insulation test voltage:

2500 V

Standards:

EN 62395-1, EN 60079-30-1, EN 60079-0

Approvals:

ATEX KDB 18ATEX0014U

Ⓜ II 2G Ex 60079-30-1 IIC T4 Gb

Ⓜ II 2D Ex 60079-30-1 IIIC T135°C Db

IECEX KDB 18.0001U

Ex 60079-30-1 IIC T4 Gb

Ex 60079-30-1 IIIC T135°C Db

Product marking:

Ex, CE, EAC

Temperature class:

T4



TWIN
CONDUCTOR



MULTI
WIRE
CONDUCTOR



LARGE
CROSS
SECTION



PVC
FREE



START-UP TEMPERATURE	SelfTec®PROi MT 30 W/m					SelfTec®PROi MT 40 W/m					SelfTec®PROi MT 50 W/m				
	CIRCUIT-BREAKER, C-TYPE														
	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A
	MAX. CABLE LENGTH PER CIRCUIT [m]														
-20°C	130	130	130	130	130	71	94	118	118	118	40	54	81	108	114
0°C	135	135	135	135	135	78	104	122	122	122	44	58	88	114	116
+10°C	138	138	138	138	138	83	110	126	126	126	46	61	92	117	117

ELEKTRA Heating Cables

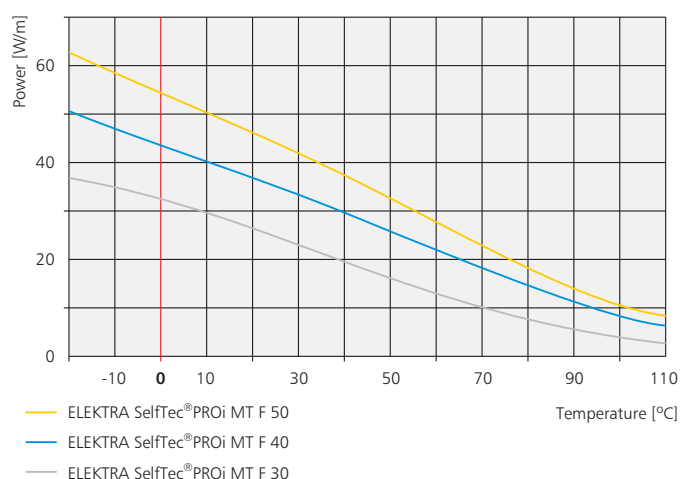
SelfTec®PROi MT F 

ELEKTRA SelfTec®PROi MT F self-regulating heating cables have been designed for commercial and industrial applications, such as protection of pipes against frost and maintaining required process temperatures up to +110°C. These products are dedicated for both types of installations, in hazardous and non-hazardous areas. High chemical properties of fluoropolymer outer sheath allow a wide range of applications.



ELEKTRA SelfTec®PROi MT F

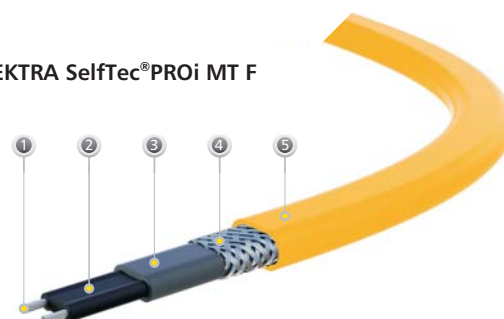
Function of the heating power vs. insulated steel pipe temperature



This package contains:

- ELEKTRA SelfTec®PROi MT F heating cable on a spool.

ELEKTRA SelfTec®PROi MT F



- ① Nickel-coated multi-wire copper conductor
- ② Self-regulating conductive core
- ③ XLEVA insulation
- ④ Tinned copper braiding
- ⑤ Fluoropolymer outer sheath



> Technical data:

Heating cable construction:

- nickel-coated multi-wire copper conductor:
1.11 mm² (30, 40 W/m)
1.21 mm² (50 W/m)
- self-regulating conductive core
- XLEVA insulation
- tinned copper braiding
- fluoropolymer outer sheath

Shape:

flat

Dimensions:

13.3 ± 0.2 x 5.7 ± 0.2 mm (30, 40 W/m)
14.5 ± 0.2 x 5.7 ± 0.2 mm (50 W/m)

Resistance range:

variable, temperature depending

Power output (nominal):

30, 40, 50 W/m (+10°C)

Max. working temperature:

+110°C

Max. exposure temperature:

+135°C (power supply off)

Min. installation temperature:

-50°C

Min. cable bending radius:

25 mm

Power supply:

230 V AC

Insulation test voltage:

2500 V

Standards:

EN 62395-1, EN 60079-30-1, EN 60079-0

Approvals:

ATEX KDB 18ATEX0014U

Ⓢ II 2G Ex 60079-30-1 IIC T4 Gb

Ⓢ II 2D Ex 60079-30-1 IIIC T135°C Db

IECEX KDB 18.0001U

Ex 60079-30-1 IIC T4 Gb

Ex 60079-30-1 IIIC T135°C Db

Product marking:

Ex, CE, EAC

Temperature class:

T4



TWIN
CONDUCTOR



MULTI
WIRE
CONDUCTOR



LARGE
CROSS
SECTION



FLUORO
POLYMER
OUTER SHEATH



START-UP TEMPERATURE	SelfTec®PROi MT F 30 W/m					SelfTec®PROi MT F 40 W/m					SelfTec®PROi MT F 50 W/m				
	CIRCUIT-BREAKER, C-TYPE														
	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A
	MAX. CABLE LENGTH PER CIRCUIT [m]														
-20°C	130	130	130	130	130	71	94	118	118	118	40	54	81	108	114
0°C	135	135	135	135	135	78	104	122	122	122	44	58	88	114	116
+10°C	138	138	138	138	138	83	110	126	126	126	46	61	92	117	117

ELEKTRA Heating Cables

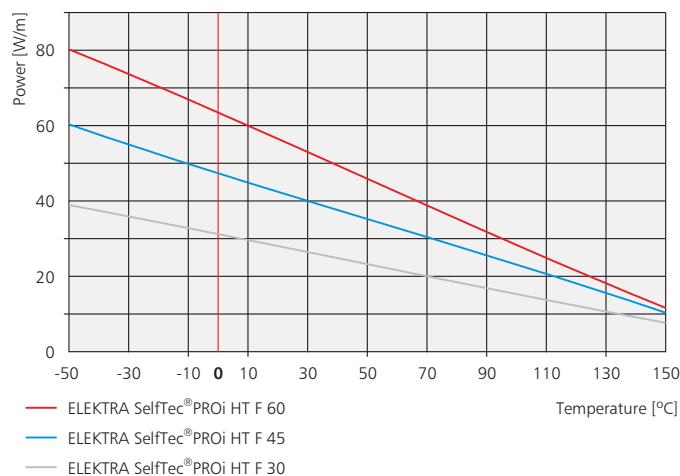
SelfTec®PROi HT F 

ELEKTRA SelfTec®PROi HT F self-regulating heating cables have been designed for industrial applications, such as protection of pipes against frost and maintaining required process temperatures up to +150°C. These products are dedicated for both types of installations, in hazardous and non-hazardous areas. Fluoropolymer outer sheath provides a high chemical and temperature resistance.



ELEKTRA SelfTec®PROi HT F

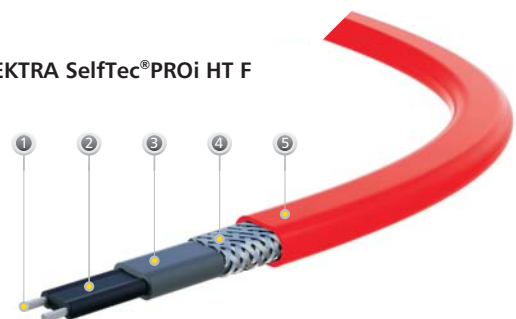
Function of the heating power vs. insulated steel pipe temperature



This package contains:

- ELEKTRA SelfTec®PROi HT F heating cable on a spool.

ELEKTRA SelfTec®PROi HT F



- ① Nickel-coated multi-wire copper conductor
- ② Self-regulating conductive core
- ③ Fluoropolymer insulation
- ④ Tinned copper braiding
- ⑤ Fluoropolymer outer sheath



> Technical data:

Heating cable construction:

- nickel-coated multi-wire copper conductor
1.11 mm² (30, 45 W/m)
1.21 mm² (60 W/m)
- self-regulating conductive core
- fluoropolymer insulation
- tinned copper braiding
- fluoropolymer outer sheath

Shape:

flat

Dimensions:

10.5 ±0.2 x 5.0 ±0.2 mm

Resistance range:

variable, temperature depending

Power output (nominal):

30, 45, 60 W/m (+10°C)

Max. working temperature:

+150°C

Max. exposure temperature:

+190°C (power supply off)

Min. installation temperature:

-50°C

Min. cable bending radius:

20 mm

Power supply:

230 V AC

Insulation test voltage:

2500 V

Standards:

EN 62395-1, EN 60079-30-1, EN 60079-0

Approvals:

ATEX KDB 18ATEX0014U

Ⓔ II 2G Ex 60079-30-1 IIC T3 Gb

Ⓔ II 2D Ex 60079-30-1 IIIC T200°C Db

IECEX KDB 18.0001U

Ex 60079-30-1 IIC T3 Gb

Ex 60079-30-1 IIIC T200°C Db

Product marking:

Ex, CE, EAC

Temperature class:

T3



TWIN
CONDUCTOR



MULTI
WIRE
CONDUCTOR



LARGE
CROSS
SECTION



FLUORO
POLYMER
OUTER SHEATH



FLUORO
POLYMER
INSULATION

START-UP TEMPERATURE	SelfTec®PROi HT F 30 W/m					SelfTec®PROi HT F 45 W/m					SelfTec®PROi HT F 60 W/m				
	CIRCUIT-BREAKER, C-TYPE														
	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A	16A	20A	32A	40A	50A
	MAX. CABLE LENGTH PER CIRCUIT [m]														
-20°C	44	70	88	112	112	31	50	63	94	94	25	39	49	79	84
0°C	46	74	92	114	114	33	53	66	97	97	26	42	52	83	86
+10°C	48	77	97	117	117	35	56	69	99	99	27	43	54	87	88