

ABAN HEAT TRACE GROUP

We provide engineering services
from initial design up to turnkey
project execution.

Complete engineering up to commissioning.

www.heating-cable.ir

heat tracing system

monitoring & controlling



About us

ABAN HEAT TRACE GROUP is an esteem established company in Tehran-Iran with the core of high of expert and engineers of more than 20 years' experience in electrical heat trace project.

Activities have been proceeded in mains below branches:

- Production of special heat tracing accessories for industrial and domestic application.
- System Design and Engineering of any heat trace project specially in Oil & gas, Petrochemical, Food and Metal industry.
- Installation & Commissioning of heat tracing system included heating cable, accessories and thermal insulation
- Training courses for experts that working in the projects and who that interested heat trace knowledge
- Supply the highest quality brands of heat tracing cable from the most famous European and American manufacturers.

Base on valuable experience of the experts and engineers ABAN HEAT TRACE GROUP.Co is ready to cooperate with industrial and domestic sector regarding the heat tracing projects



Industrial

For industrial applications

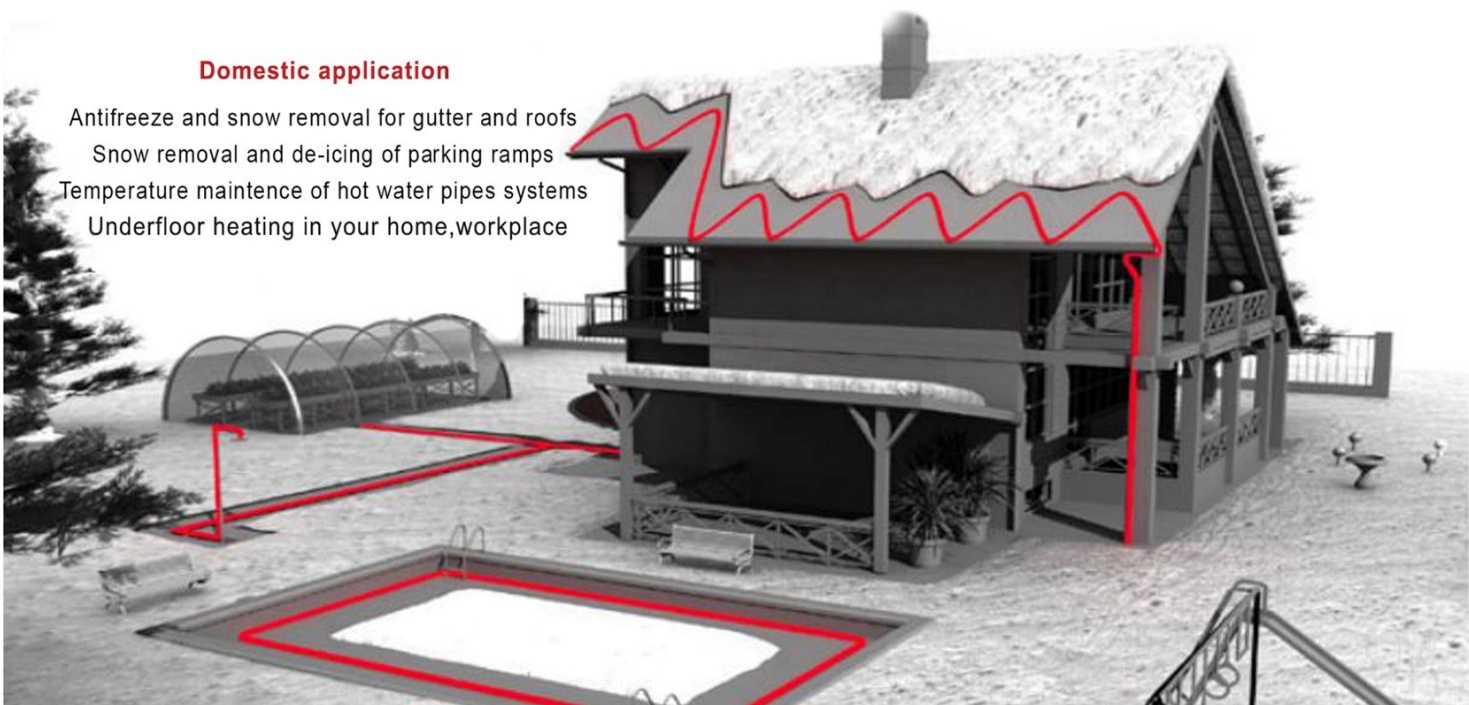
- Freeze protection and temperature maintenance of pipes.
- Surface heat tracing of balloons and tanks.
- Anti-condensation in hoppers.



Domestic

Domestic application

- Antifreeze and snow removal for gutter and roofs
- Snow removal and de-icing of parking ramps
- Temperature maintenance of hot water pipes systems
- Underfloor heating in your home, workplace



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Industrial

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Domestic



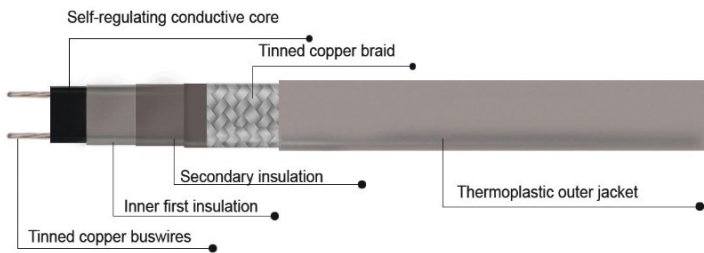
Self-Regulating A.N.E heating cable

A.N.E Code	Product Picture	Dimensions (mm)	Bus wire	Power (w/m)	Material	Maximum Maintain Temperature	Exposure Temperature	Minimum Installation Temperature	Maximum Usage Length (Based on 220V)
301- 20		12.8*5.8	16 AWG	20	Bus wire: Tinned copper Conductor: PTC Insulation: Inner Shield: tinned copper braid Jacket: Thermoplastic (5 Layer)	65°C	85°C	-40°C	151
301- 30				30					98
301- 40				40					72
311- 11		10.4*5.3	18 AWG	11	Bus wire: Tinned copper Conductor: PTC Insulation: Thermoplastic Shield: tinned copper braid Jacket: Thermoplastic (5 Layer)	65°C	85°C	-40°C	145
311- 17				17					120
311- 23				23					100
401- 16		10.7*4.5	16 AWG	16	Bus wire: Tinned copper Conductor: PTC Insulation: Inner Shield: tinned copper braid Jacket: Thermoplastic (5 Layer)	65°C	85°C	-40°C	151
401- 30				30					98
401- 40				40					72
411- 35		13.3*6.1	16 AWG	35	Bus wire: Tinned copper Conductor: PTC Insulation: Thermoplastic Shield: tinned copper braid Jacket: fluoropolymer (5 Layer)	110°C	135°C	-40°C	100
411- 45				45					85
411- 60				60					70
412- 30		10.6*4.6	16 AWG	30	Bus wire: Tinned copper Conductor: PTC Insulation: Thermoplastic Shield: tinned copper braid Jacket: fluoropolymer (5 Layer)	120°C	200°C	-40°C	130
412- 45				45					90
412- 60				60					70

Self-Regulating heating cable

A.N.E 301

2 YEARS Warranty



Introduction

A.N.E 301 Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperatures all along its length. As temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications. It will never overheat or burnout even when overlapped. The cable can also be cut to any length. As the result, we got an energy efficient heating cable. This self-regulating heating cable is resistant to watery and inorganic chemicals and protected against abrasion and impact damage.

Technical Data

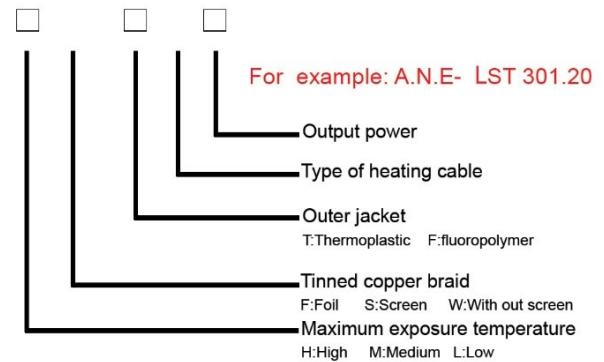
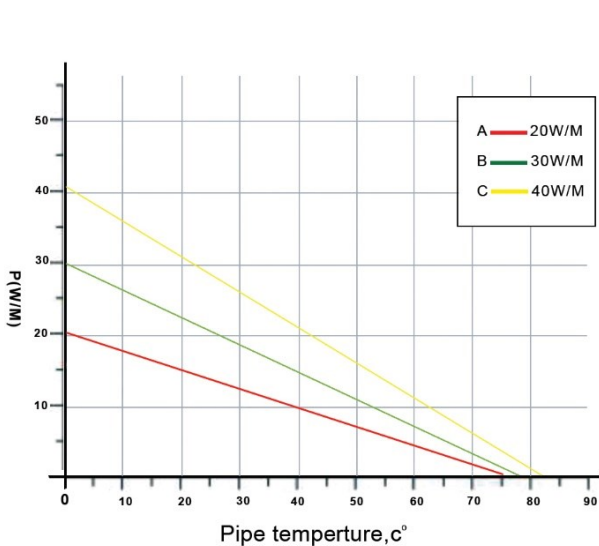
Output Wattage	20, 30, 40(w/m)
Maximum maintain temperature	65C°
Maximum exposure temperature	85C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	CE,EAC,EACEX,ATEX



Application

A.N.E 301 Self-regulating heating cable is ideally used for process temperature maintenance and frost protection of regular diameter pipelines, tanks, valves, flanges, roof & gutter de-icing, snow melting and other applications of low temperature working conditions.

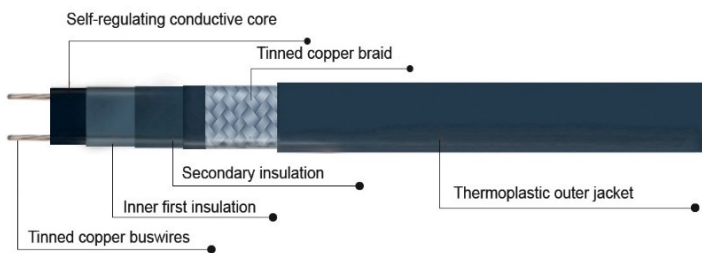
It is suitable for hazardous area, and cable with outer thermoplastic jacket can also be used in hazardous area and corrosive area. The cable with UV stabilized thermoplastic elastomer outer jacket is provided to cover the braid for wet applications and exposure to the sun.



Nominal power Output @ +10 C, 230 Vac		
Code	Type	Value W/m
A	ANE-301.20	20
B	ANE-301.30	30
C	ANE-301.40	40

Flame retardant thermoplastic outer jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.

PART NUMBER	Output power +10C@(w/m ²)	Maximum Maintain Temperature (C°)	Max lenght @+10 C° 16/30A (m)	Max lenght @+0 C° 16/30A (m)	Max lenght @-20 C° 16/30A (m)	Dimension (mm)	Weight (kg/100m)
A.N.E- 301.20	20	65	110/151	100/124	86/98	12.8 * 5.8	11.5
A.N.E- 301.30	30	65	71/98	60/77	52/65	12.8 * 5.8	11.5
A.N.E- 301.40	40	65	62/72	52/60	45/53	12.8 * 5.8	11.5



Self-Regulating heating cable

A.N.E 401

2 YEARS Warranty

Introduction

A.N.E 401 Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperatures all along its length. As temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications. It will never overheat or burnout even when overlapped. The cable can also be cut to any length. As the result, we got an energy efficient heating cable. This self-regulating heating cable is resistant to watery and inorganic chemicals and protected against abrasion and impact damage.

Technical Data

Output Wattage	16, 30, 40(w/m)
Maximum maintain temperature	65C°
Maximum exposure temperature	85C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	CE,EAC,EACEX,ATEX

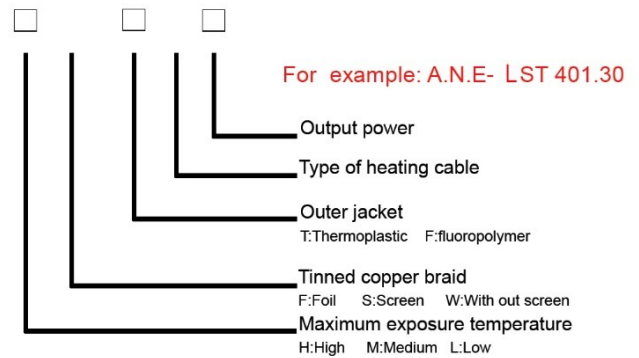
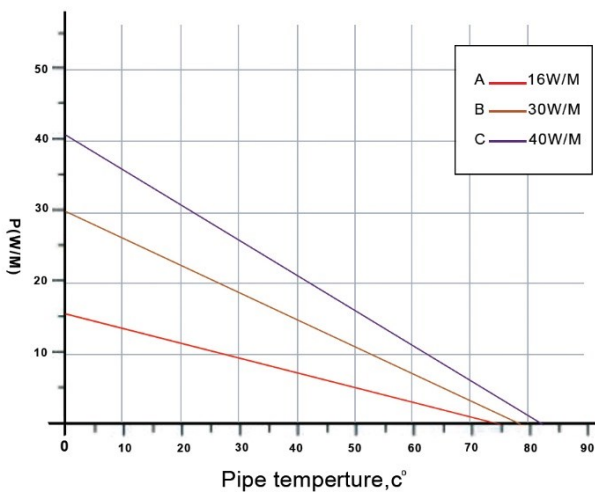




Application

A.N.E 401 Self-regulating heating cable is ideally used for process temperature maintenance and frost protection of regular diameter pipelines, tanks, valves, flanges, roof & gutter de-icing, snow melting and other applications of low temperature working conditions.

It is suitable for hazardous area, and cable with outer hermoelastic jacket can also be used in hazardous area and corrosive area. The cable with UV stabilized thermoplastic elastomer outer jacket is provided to cover the braid for wet applications and exposure to the sun.



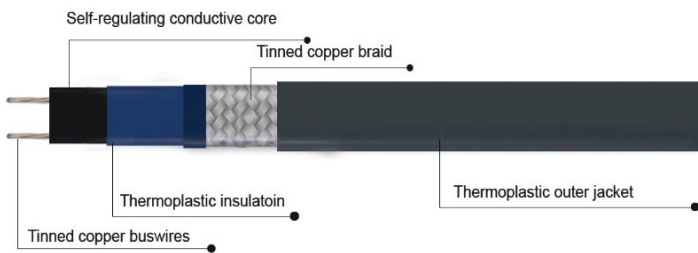
Nominal power Output @ +10 C, 230 Vac		
Code	Type	Value W/m
A	ANE-401.16	16
B	ANE-401.30	30
C	ANE-401.40	40

PART NUMBER	Output power +10C°@(w/m²)	Maximum Maintain Temperature (C°)	Max lenght @+10 C° 16/30A (m)	Max lenght @+0 C° 16/30A (m)	Max lenght @-20 C° 16/30A (m)	Dimension (mm)	Weight (kg/100m)
A.N.E- 401.16	16	65	110/151	100/124	86/98	10.7 * 4.5	7.25
A.N.E- 401.30	30	65	71/98	60/77	52/65	10.7 * 4.5	7.25
A.N.E- 401.40	40	65	62/72	52/60	45/53	10.7 * 4.5	7.25

Self-Regulating heating cable

A.N.E 311

2 YEARS Warranty



Introduction

A.N.E 311 As temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications.

It will never overheat or burnout even when overlapped. The cable can also be cut to any length.

As the result, we got an energy efficient heating cable. With optional outer jackets, the heating cable is resistant to watery and inorganic chemicals and protected against abrasion and impacted damage. Typical application is heat trace designs and applications.



Technical Data

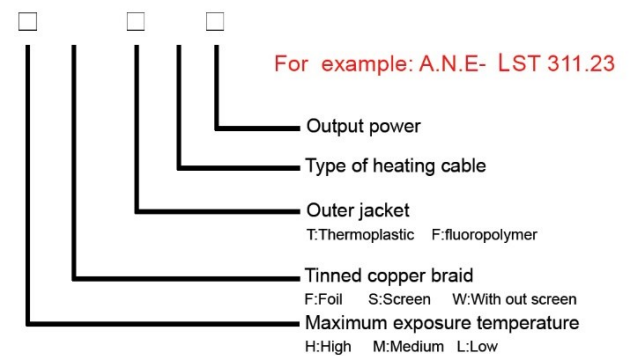
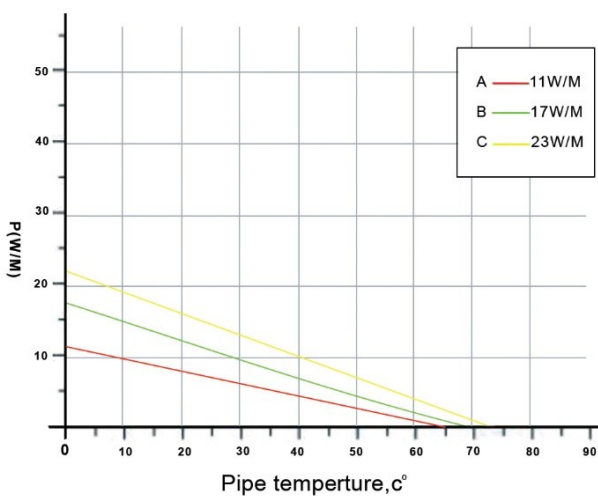
Output Wattage	11, 17, 23(w/m)
Maximum maintain temperature	65C°
Maximum exposure temperature	85C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	18AWG
Approvals	CE,EAC,EACEX,ATEX





Application

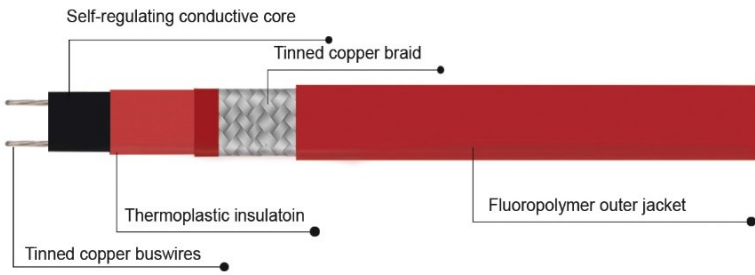
A.N.E 311 Self-regulating heating cable is designed for commercial and residential metal and plastic pipe process temperature maintenance and frost protection of regular pipelines, tanks, valves, flanges, roof & gutter de-icing and other applications of low temperature working conditions. A UV stabilized thermoplastic elastomer outer jacket is provided to cover the braid for wet applications and exposure to the sun. It is suitable for non-hazardous area, then cable with Thermoplastic outer jacket can also be used in hazardous area and corrosive area. to the sun.



Nominal power Output @ +10 C, 230 Vac		
Code	Type	Value w/m
A	ANE-311.11	11
B	ANE-311.17	17
C	ANE-311.23	23

Flame retardant thermoplastic outer jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.

PART NUMBER	Output power +10°C@(w/m ²)	Maximum Maintain Temperature (°C)	Max lenght @+10 C° 16/30A (m)	Max lenght @+0 C° 16/30A (m)	Max lenght @-20 C° 16/30A (m)	Dimension (mm)	Weight (kg/100m)
A.N.E- 311.11	11	65	120/145	121/140	108/120	10.4 * 5.3	8.4
A.N.E- 311.17	17	65	115/120	106/120	95/115	10.4 * 5.3	8.4
A.N.E- 311.23	23	65	75/100	72/91	65/84	10.4 * 5.3	8.4



Self-Regulating heating cable

A.N.E 411

2 YEARS Warranty

Introduction

A.N.E 411 is Middle Temperature Self-regulating Heating Cable, Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperatures all along its length.

As temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications.

It will never overheat or burnout even when overlapped.

The cable can also be cut to any length. As the result, we got an energy efficient heating cable.

Technical Data

Output Wattage	35, 45, 60(w/m)
Maximum maintain temperature	110C°
Maximum exposure temperature	135C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	CE, EAC, EACEX, ATEX

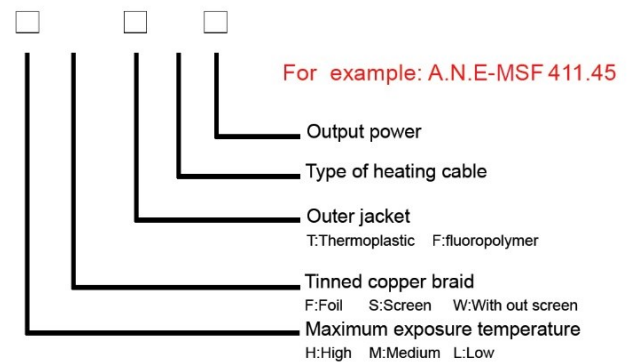
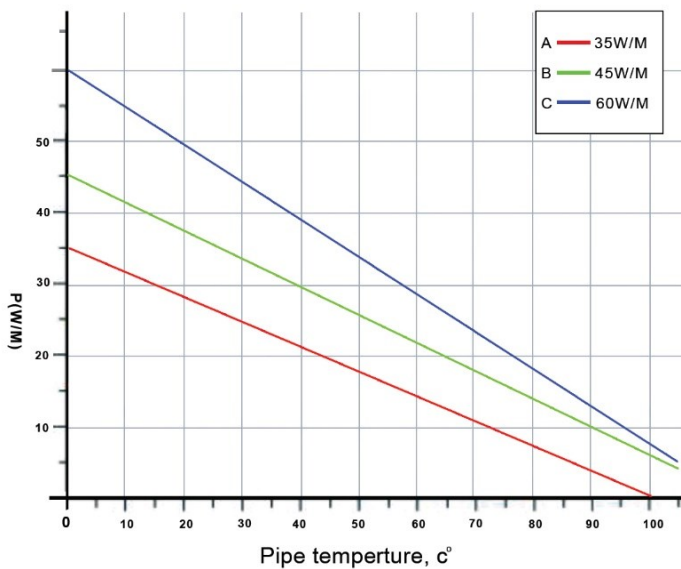




Application

A.N.E 411 Self-regulating heating cable is ideally used for process temperature maintenance and frost protection of large diameter pipelines, tanks, valves, flanges, and other industrial applications of high heat loss issues.

It is suitable for non-hazardous area, and cable with fluoropolymer outer jacket can also be used in hazardous area and corrosive area.



Nominal power Output @ +10 C, 230 Vac		
Code	Type	Value W/m
A	ANE-411.35	35
B	ANE-411.45	45
C	ANE-411.60	60

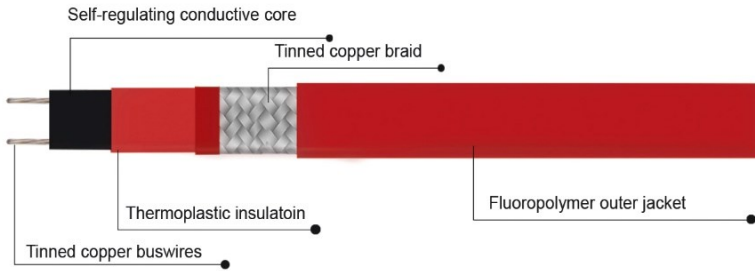
Fluoropolymer outer jacket is used for exposure to organic or corrosive working conditions or vapor may exist.

PART NUMBER	Output power +10C@(w/m²)	Maximum Maintain Temperature (C°)	Max lenght @+10 C° 16/30A (m)	Max lenght @+0 C° 16/30A (m)	Max lenght @-20 C° 16/30A (m)	Dimension (mm)	Weight (kg/100m)
A.N.E- 411.35	35	110	75/100	65/90	45/60	13.3 * 6.1	12.5
A.N.E- 411.45	45	110	60/85	50/75	35/50	13.3 * 6.1	12.5
A.N.E- 411.60	60	110	50/70	40/60	30/45	13.3 * 6.1	12.5

Self-Regulating heating cable

A.N.E 412

2 YEARS Warranty



Introduction

412 Series Self-Regulating Heating Cables provide the most variety in heat trace designs and applications.

Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperature all along its length .

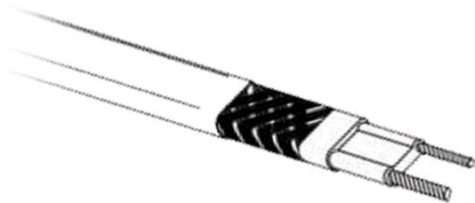
As temperature increases, the heater's resistance increases , which lowers the output wattage.

Conversely, as the temperature decreases , the resistance decreases and the cable produces more heat.

So thermostat is not necessary in some applications. It will never overheat or burnout even when overlapped.

The cable can also be cut to any length . As the result, we got an energy efficient heating cable.

With optional outer jackets, the heating cable is resistant to watery and in organic chemicals and protect against abrasion and impacted damage



Technical Data

Output Wattage 30, 45, 60(w/m)

Maximum maintain temperature 120C°

Maximum exposure temperature 200C°

Minimum installation temperature -40C°

Work voltage 220-240V

Max resistance of braid $\leq 18.2 \Omega / \text{km}$

Bus wire gauge 16AWG

Approvals Exe IIC Gb T4 Ext IIIC Db T4

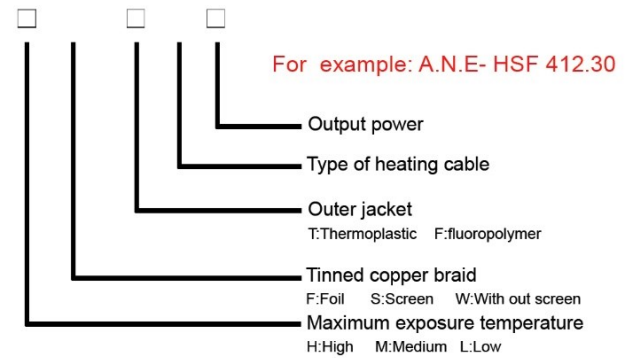
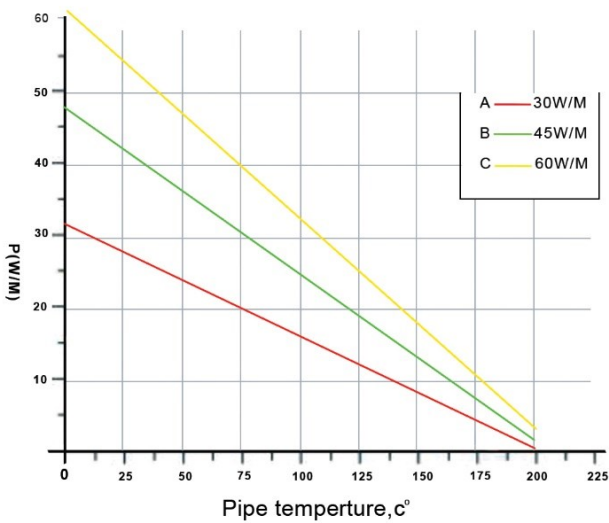




Application

ANE 412 series self-regulating heating cables are suitable for: defrosting and temperature maintenance of pipes tanks valves, flanges, roof melting and snow melting, and heating requests that require high power output.

Also suitable for: applications in explosion-proof and applications in explosion-proof and corrosive environments. ANE 412 series self-regulating heating cable can withstand the highest exposure temperature up to 215 °C (419 °F) and the highest maintain temperature can reach 125 °C (257 °F).



Nominal power Output @ +10 C, 230 Vac		
Code	Type	Value w/m
A	ANE-412.30	30
B	ANE-412.45	45
C	ANE-412.60	60

Flame retardant thermoplastic outer jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.

PART NUMBER	Output power +10C@(w/m ²)	Maximum Maintain Temperature (°C)	Max lenght @+10 C° 16/30A (m)	Max lenght @-20 C° 16/30A (m)	Max lenght @-40 C° 16/30A (m)	Dimension (mm)	Weight (Kg/100m)
A.N.E- 412.30	30	120	85/114/130	69/100/114	62/88/103	10.6*4.6	11- 12 kg
A.N.E- 412.45	45	120	70/82/90	49/75/82	44/67/73	10.6*4.6	11- 12 kg
A.N.E- 412.60	60	120	50/64/70	38/58/64	35/53/59	10.6*4.6	11- 12 kg

Mineral insulated heating cable

2 YEARS Warranty

MI Mineral insulated heating cables are the most rugged **Heating Cable** in our product line.

Constructed of solid series resistor element embedded in highly compacted mineral insulation,

MI cables are built to handle high temperature, high wattage applications.

Mineral insulated cables are factory assembled and tested, ensuring the highest quality product.

Since the units consist of series resistor, virtually any wattage/voltage/length cable configuration can be produced within the cables physical operating limits.

Mineral insulated heating cables are available for use to 600V and are tested and approved for use in corrosive and hazardous areas.

It has the advantages of pressure resistance, shock resistance, energy saving, high impermeability, corrosion resistance, explosion protection, convenient installation, high mechanical strength and long service life.

Widely use in aerospace, nuclear, petroleum, chemical, construction, machinery, electric energy and other fields.

Product Structure



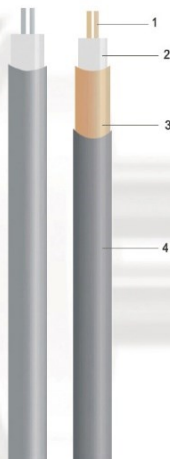
1. Outer Sheath: SS321, 825 Alloy, Copper, Copper-Nickel Alloy
2. Mineral insulation
3. Alloy resistance wire

Features

- Constant Wattage Series Resistance Heating Cable Sets
- Process Temperature Maintenance to 600 C°
- Maximum Exposure Temperature 648 C° (Power Off)
- Corrosion Resistant Stainless Steel Sheath
- Factory Assembled Cable Sets— Ready for Installation
- Fully Annealed Sheath allows Field Bending
- For Use on Metallic Pipes Only

Product Construction

1 One or two conductor	Heating elements
2 First insulation	Mgo provides insulation of the resistance wire for voltage up to 593C
3 Inner jacket	This alloy has excellent resistance to pitting, chloride-stress, acid and alkali corrosion.
4 Outer jacket	For corrosive environments or extra ruggedness when embedded in concrete.



Mineral insulated heating cable(Double conductor)

Cable Model	Rated Voltage (V)	Power Per Meter (W/M)	Cable Length (M)	Output Power (W)	Resistance (Ohms/Meter)	Resistance (Ohms/Piece)	Outer Sheath Material	Outer Diameter (mm)
ANE-200-20-10	220	20	10	200	24.2	242.00	SUS321	3.5
ANE-400-20-20	220	20	20	400	6.05	121.00	SUS321	4
ANE-600-20-30	220	20	30	600	2.69	80.67	SUS321	4
ANE-800-20-40	220	20	40	800	1.51	60.50	SUS321	4
ANE-1000-20-50	220	20	50	1000	0.97	48.40	SUS321	4
ANE-1200-20-60	220	20	60	1200	0.67	40.33	SUS321	4
ANE-1400-20-70	220	20	70	1400	0.49	34.57	SUS321	4
ANE-1600-20-80	220	20	80	1600	0.38	30.25	SUS321	4
ANE-1800-20-90	220	20	90	1800	0.3	26.89	SUS321	4
ANE-2000-20-100	220	20	100	2000	0.24	24.20	SUS321	4
ANE-300-30-10	220	30	10	300	16.13	161.33	SUS321	3.5
ANE-600-30-20	220	30	20	600	4.03	80.67	SUS321	4
ANE-900-30-30	220	30	30	900	1.79	53.78	SUS321	4
ANE-1200-30-40	220	30	40	1200	1.01	40.33	SUS321	4
ANE-1500-30-50	220	30	50	1500	0.65	32.27	SUS321	4
ANE-1800-30-60	220	30	60	1800	0.45	26.89	SUS321	4
ANE-2100-30-70	220	30	70	2100	0.33	23.05	SUS321	4
ANE-2400-30-80	220	30	80	2400	0.25	20.17	SUS321	4
ANE-2700-30-90	220	30	90	2700	0.2	17.93	SUS321	4
ANE-3000-30-100	220	30	100	3000	0.16	16.13	SUS321	4
ANE-600-60-10	220	60	10	600	8.07	80.67	SUS321	3.5
ANE-1200-60-20	220	60	20	1200	2.02	40.33	SUS321	4
ANE-1800-60-30	220	60	30	1800	0.9	26.89	SUS321	4
ANE-2400-60-40	220	60	40	2400	0.5	20.17	SUS321	4
ANE-3000-60-50	220	60	50	3000	0.32	16.13	SUS321	4
ANE-3600-60-60	220	60	60	3600	0.22	13.44	SUS321	4
ANE-4200-60-70	220	60	70	4200	0.16	11.52	SUS321	4
ANE-4800-60-80	220	60	80	4800	0.13	10.08	SUS321	4
ANE-5400-60-90	220	60	90	5400	0.1	8.96	SUS321	5

Flexible silicone heating cable

A.N.E 107

2 YEARS Warranty

A.N.E 107 silicone heating cable is of good waterproof performance, can be used for heating, heat tracing and heat preservation of pipelines, pots and tanks of industrial equipment or laboratory in moist places without explosive gas.

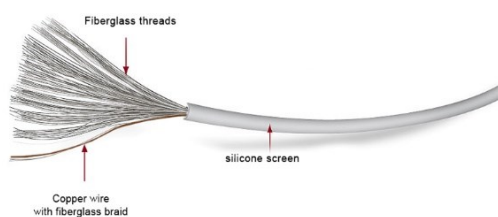
- It is mainly composed of nickel-chromium alloy wires and insulating material, and has fast heating speed, high heat efficiency and long service life.
- fiber glass core is wound with electric heating wires, silicone rubber is used as main insulation, the heat resistance performance is excellent, and the insulation performance is reliable.
- It has great flexibility, and can be directly wound on a to be heated device, with good contact and uniform heating.

Application:

- 1.Refrigerators, air conditioners, freezers defrost
2. Rice cooker heat preservation
- 3.Electric blanket
- 4.Electric heating cushion
- 5.Electric massage chair
- 6.Medical and beauty equipment
- 7.Electric thermal clothing
- 8.Electric heating shoes
- 9.Bath pool heat
- 10.Footbath heat
- 11.Pipeline and tank insulation antifreeze
- 12.Car window heat and etc.

Technical data of Silicone heating cable

Out Diameter(mm)	2 ~ 5
Heating wire material	Nichrome or CuNi
Insulating Layer	Silicone rubber
Resistance (ohm/m)	10 ~ 30
Temperature (°C)	30 ~ 180
Voltage	220 V
Insulation resistance	>100MΩ



Silicone constant wattage heating cable

A.N.E 108

2 YEARS Warranty

Application

Ground heating of buildings, refrigerators and were houses; chute heating, gutter and roof deforsting.

Description

Good temperature resistance.The whole body use silicon rubber as the insula (including power cord), and work envirement temperature is -60 to ± 200 C°.

Good heat-conducting property: Generate heat energi by passing to directly conduct heat,high thermal efficiency, capable of heating in short time to achieve the effect.

Reliable electrical property: when each heat tape leaves the factory, conduct strict DC resistance, soaking high pressure, insulation resistance and other tests to ensure quality.

Firm structure,flexibility and easy bending: combine the whole cooling end section, no binding point rational structure,easy installation.

Strong designability: heating lenght, lead wire lenght, rated voltage and power are determined by users.

Product Structure

- 1-Heating wires are two tinned copper wire with section of 0.75 mm.
- 2-Isolated layer is made of silicon rubber by extrusion.
- 3-High strenght alloy wire spiral and silicon rubber surface are the heating center
- 4-Airtight cladding made by extrusion method



Product Specification

The voltage 36V-24V is determined by user

- 25w/m, with stand voltage AC3500V, use longest limit 65m
- 40w/m, with stand voltage AC3500V, use longest limit 50m
- 50w/m, with stand voltage AC3500V, use longest limit 44m



ANE CODE(Part Number)	108.20	108.30	108.40	108.60	108.80
Voltage	36V-240V	36V-240V	36V-240V	36V-240V	36V-240V
Busbar size	0.75mm	0.75mm	0.75mm	1mm	1mm
Wire insulation material	Silicon rubber	Silicon rubber	Silicon rubber	Silicon rubber	S.R
Heating body alloy	Cu-Ni	Cu-Ni	Cu-Ni	Cu-Ni	Cu-Ni
heating coil external insulation	Silicon rubber	Silicon rubber	Silicon rubber	Silicon rubber	S.R
Heating body	5mm*7mm	5mm*7mm	5mm*7mm	6mm*8mm	6mm*8mm
Use longest limit	65m	50m	44m	40m	38m
Distance between nodes	0.3M	0.3M	0.5M	0.5M	0.5M

Parallel constant wattage heating cable

1. Wire
2. FEP insulation layer
3. FEP insulation layer
4. Ni-Cr alloy wire
5. PEP insulation layer
6. Tinned copper Metal braid
7. FEP outer sheath



A.N.E 109

2 YEARS Warranty

ANE 109 Parallel constant wattage heating cable can be used for pipe and equipment freeze protection and process temperature maintenance requiring high power output or high temperature exposure. This type provides an economical alternative to self-regulating heating cable but requires more skill for installation and more advanced control and monitor system.

Constant wattage heating cables can provide process temperature maintenance up to 150°C and can withstand exposure temperature up to 205°C with power on.

Structure

ANE109 Single phase constant wattage heating cable used to freeze protection, heat preservation for all kinds of pipelines and instruments.

Application such as factory Zone 1 Zone 2 explosive gas atmosphere area.

Working principle

Two paralleled stranded copper wire as the bus wires with insulation layer FEP, then wrap the nickel-chromium alloy as the heating wire connect with bus wires at regular intervals, form the parallel resistance, finally covered with insulation jacket FEP.

When the bus wires power on, each parallel resistance begins to heat, this form a continuous heating cable

Part Number		Rated power (w/m)	Max Usage (m)	Max Maintenance Temperature(°C)	Sheath Color
ANE CODE	COMMON MODEL				
A.N.E 109.10	RDP2HR-J3- 10	10	210	150°C	Black
A.N.E 109.20	RDP2HR-J3- 20	20	180	120°C	Orange
A.N.E 109.30	RDP2HR-J3- 30	30	150	90°C	Blue
A.N.E 109.40	RDP2HR-J3- 40	40	140	65°C	Red



Line sensing thermostat

A.N.E 1000

2 YEARS Warranty



A.N.E 1000, line sensing (pipe mounted) thermostat ideal for freeze protection and process temperature maintenance applications.

TEMPERATURE RANGE	30_ 90 C° 0_ 300 C°
CAPILLARY LENGHT	120 (CM)
DIMENSION(MM)	130*130*90
PROTECTION DEGREE	IP 67
BRACKET TYPE	A.N.E 820.110 A.N.E 820.120
SWITCHING CAPABILITY	110.220 V 16 A MAX

BRACKET TYPE



A.N.E CODE	A.N.E 1027 -330	A.N.E 1032 -220	A.N.E 1313 -10	A.N.E 820 -110
External Diameter	27mm	32mm	13mm	20mm
Internal Diameter	27mm	23mm	13mm	16mm
Lenght of pipe	10 cm	10 cm	10 cm	8 cm
Material	Galvanized Metal	Galvanized Metal	Galvanized Metal	Galvanized Metal

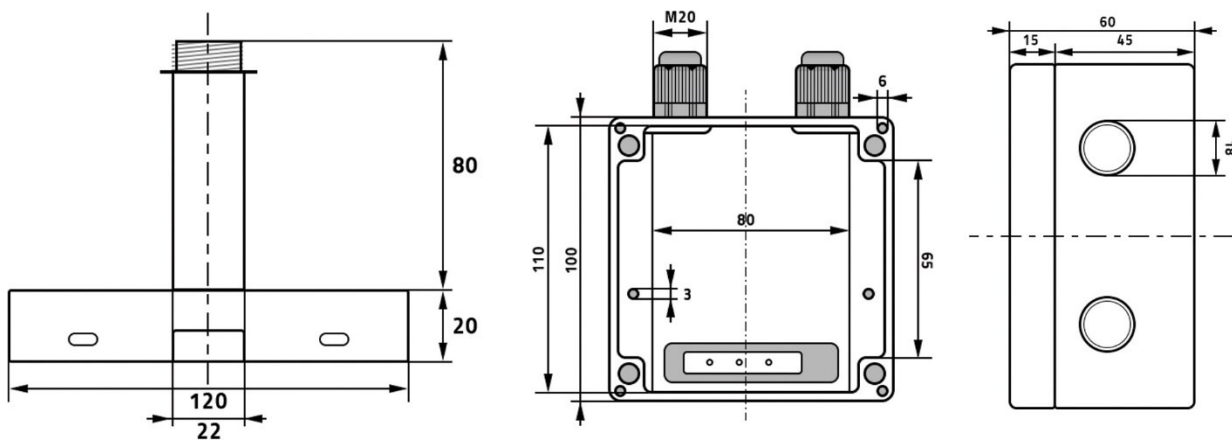
GRP power connection box

A.N.E 804

2 YEARS Warranty

Junction Boxes are an essential piece of kit as they protect and insulate electrical connections, whether commercially or in a domestic environment. All of the products within the range benefit from being quick and easy to install whilst being easy to maintain once wired.

- Part Number:** A.N.E 804
- Material:** GRP
- Dimensions:** 110mmx110mmx60mm
- Color:** RAL 1003, Signal yellow
- Entries:** One standard M20 one M25



Silicone power seal

A.N.E 105

2 YEARS Warranty

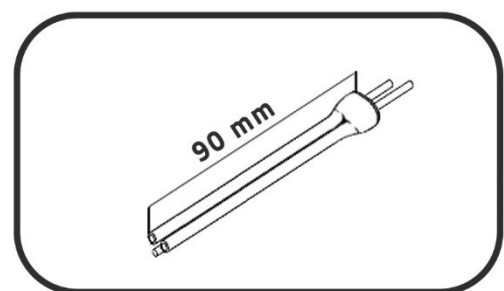
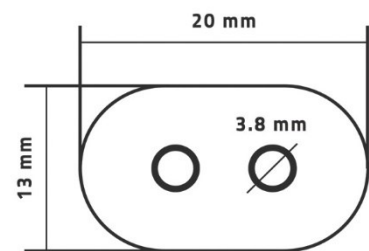


ANE 105 is designed to terminate the parallel heating cable.made from the best material with a special formula of silicone rubber by the experts of **ABAN HEAT TRACE GROUP** for use up to a temprature of 250 degrees Celsius.

This material has a voltage insulation resistance of up to 2000 V and has a thermal resistance of up to 800 degrees Celsius in short time conditions and temprature of 250 degrees and at constant working situation.

This product includes a 5 year warranty from **ABAN HEAT TRACE GROUP**.

Part number: A.N.E 105
Materail: Special silicone rubber
Dimensions: 90mm*20mm*13mm
Weight: 5g



Resin type end seal

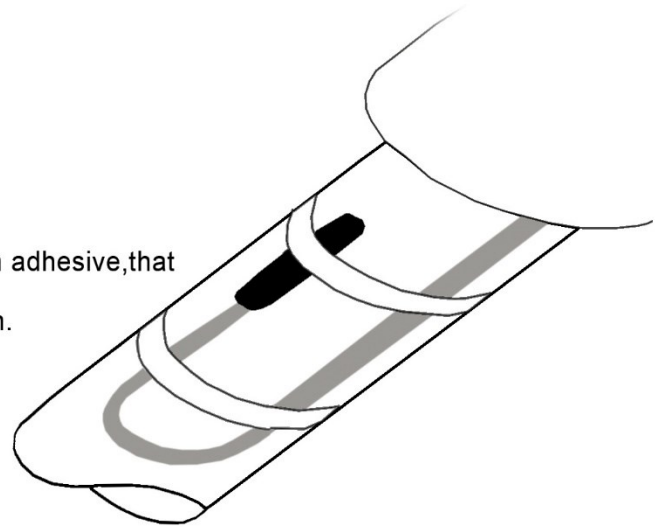
A.N.E 201 E-03

2 YEARS Warranty

A.N.E 201 E-03 is designed for all kind of electrical heating cables up to 205 Celsius degree.

All kits are approved use in hazardous area

The end kits employ easy to use heat shrinkable tubing with an adhesive, that when heated forms a semiflexible moisture proof encapsulation.



Due to its low profile design the finished termination can be installed directly on the pipe. One end seal kit is required for each termination.

A.N.E 201 E-03

Application	sealant for all type of cable up to 205 C°
Kit contents	Heat shrinkable Adheive coated sleeves installation instruction
Approvals	II 2G/D EEx e II by PTB and Baseefa 2001 Ltd, according to EN 50 014, EN 50 019 DNV Certificate No.E-6967



Low-profile end seal kit

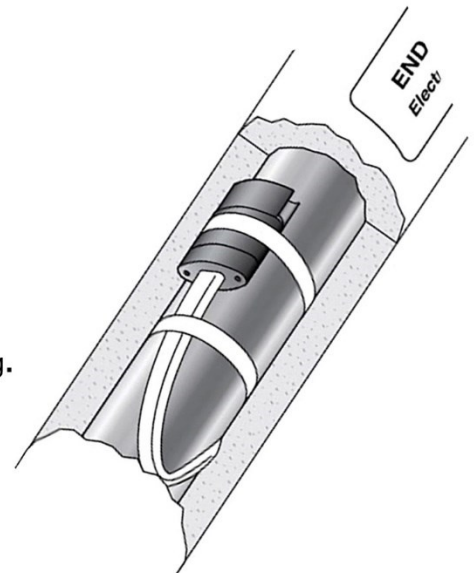
A.N.E 800,801

2 YEARS Warranty

DESCRIPTION

The ANE 800,801 are type end seal kit designed for use with all ABAN HEAT TRACE GROUP parallel type heating cables.

It is designed to be placed on the pipe under the insulation and cladding.



TOOLS REQUIRED

- Screwdriver
- Utility knife
- Wire cutters

ADDITIONAL MATERIALS REQUIRED

Glass cloth tape

ANE 23-10 Installation temperature above 40° F[4 C°]

ANE 23-20 Installation temperature above -40° F[-40 C°]



ANE 800



ANE 801

APPROVALS



Hazardous Location
A.N.E 300 & A.N.E 412 & A.N.E 411 Heating cables
Exe II C T 4, CC, ATEX

Simple and fast to install

Corrosion resistant

Reliable during long life: 5 years extended product warranty available, maintenance free

Low-profile splice & tee connection kit

A.N.E 802,803

2 YEARS Warranty

DESCRIPTION

The **ANE 802,803** are splice and tee connection kit designed for use with all ABAN HEAT TRACE GROUP parallel type heating cables. it is designed to be placed on the pipe under the insulation and cladding.

TOOLS REQUIRED

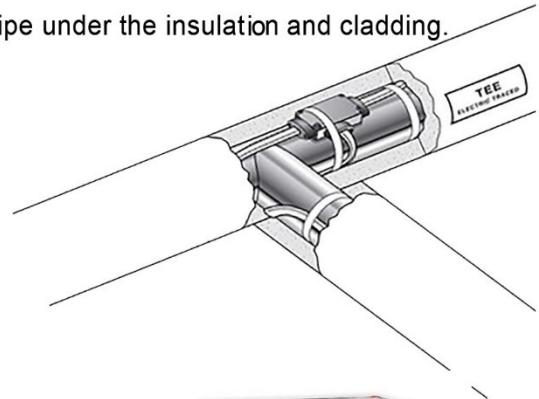
- Screwdriver
- Utility knife
- Wire cutters

ADDITIONAL MATERIALS REQUIRED

Glass cloth tape

ANE 23-10 Installation temperature above 40° F[4 C]

ANE 23-20 Installation temperature above -40° F[-40 C]



ANE 802



ANE 803

APPROVALS



Hazardous Location
A.N.E 300 & A.N.E 412 & A.N.E 411 Heating cables
Exe II C T 4, CC, ATEX

Simple and fast to install

Corrosion resistant

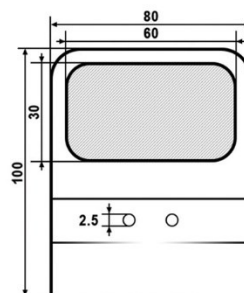
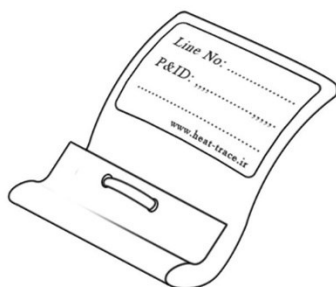
Reliable during long life: 5 years extended product warranty available, maintenance free

Stainless steel cable nameplate holder

A.N.E 104

2 YEARS Warranty

Part Number: A.N.E 104
Material: Stainless steel 316
Dimensions: 100mm*80mm*20mm
Weight: 25g
Thickness: 0.3mm



330 °C High temperature RTV silicone sealant

A.N.E 24

RTV SILICONE
HI-TEMP RED SILICONE
GREAT FOR
OIL PANS
VALUE COVERS
WATER PUMPS
TIMING COVERS





ABAN HEAT TRACE GROUP

Tel: +9821 888 44 671

888 44 723

888 43 677

Email: sales@heating-cable.ir

Web: www.heating-cable.ir