



ABAN HEAT TRACE GROUP

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ABAN HEAT TRACE GROUP is an esteem established company in Tehran-Iran With a high core of experts and engineers with more than 20 years of experience in electrical heat trace projects.

AHTG 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.

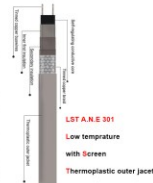
Base on valuable experience of the experts and engineers

AHTG is ready to cooperate with the industrial and domestic sector regarding the heat tracing projects.

Self-Regulating heating cable ((A.N.E 301))

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



Self-Regulating heating cable ((A.N.E 401))

Technical Data

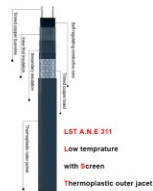
Output Wattage	16, 30, 40(w/m)
Maximum maintain temperature	65C°
Maximum exposure temperature	85C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	CE,EAC,EACEX,ATEX



Self-Regulating heating cable ((A.N.E 311))

Technical Data

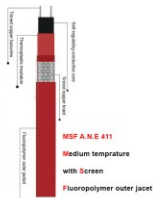
Output Wattage	11, 17, 23(w/m)
Maximum maintain temperature	65C°
Maximum exposure temperature	85C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	18AWG
Approvals	CE,EAC,EACEX,ATEX



Self-Regulating heating cable ((A.N.E 411))

Technical Data

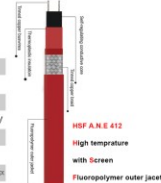
Output Wattage	35, 45, 60(w/m)
Maximum maintain temperature	110C°
Maximum exposure temperature	135C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	CE,EAC,EACEX,ATEX



Self-Regulating heating cable ((A.N.E 412))

Technical Data

Output Wattage	30, 45, 60(w/m)
Maximum maintain temperature	120C°
Maximum exposure temperature	200C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Max resistance of braid	≤18.2 Ω /km
Bus wire gauge	16AWG
Approvals	Eur IEC Da Td Eut IEC Da Td CE,EN



Mineral Insulated heating cable ((MI CABLE))

Technical Data

Maximum maintain temperature	200-900C°
Maximum exposure temperature	648C°
Minimum installation temperature	-40C°
Work voltage	110V-120V / 220-240V
Outer sheath	SS321,825 alloy copper-nickel alloy
Usage	only metallic pipe



Flexible silicone heating cable ((A.N.E 107))

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	>100MQ

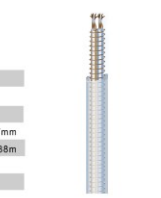


A.N.E 107 silicone heating cable is of good waterproof performance, can be used for heating, heat tracing and heat preservation of pipelines, pots and tanks of industrial equipment or laboratory in moist places without explosive gas.

Silicone constant wattage heating cable ((A.N.E 108))

Technical Data

voltage	36V-240V
busbar size	0.75 mm, 1mm
wire insulation material	silicone rubber
heating body alloy	Cu-Ni
heating body	5mm*7mm, 6mm*7mm
use longest limit	65m,50m,44,40m,38m
distance between nodes	0.3m ,0.5,
output wattage	20,30,40,60,80



Parallel self limited constant wattage heating cable((A.N.E 109))

Technical Data

Rated voltage	220V
Insulation resistance	≤20 Ohm
dielectric strength	2500V 50Hz/1min
Max exposure temperature	205 C
Protection class	IP54
outer dimensions	6.3*9.5mm
Insulation material	FEP 7 layer
Certifications	CE,EAC,EACEx, Ex



Series connection constant wattage heating cable ((A.N.E 106))

Technical Data

Rated voltage	110V-120V, 220V-380V, 660V, 1100V
Insulation resistance	≥750MΩ /km
dielectric strength	2"nominal voltage + 2500V
Max withstand temperature	J3 - 205 C, J4- 250C
Min. installation temperature	-40C
outer dimensions	5.9*12.5mm
Certifications	CE,EAC,EACEx, Ex



constant wattage heating cable ((A.N.E 110))

A.N.E. Code	Power	Standard lenght (m)	Power (w/m)	Total resistance (Ω)
110-1	3300	194.1	17	14.7
110-2	2800	164.1	17	17.3
110-3	2600	152.9	17	18.6
110-4	2400	141	17	20.2
110-5	2100	123.5	17	23.0
110-6	1700	100.0	17	28.6
110-7	1370	80.6	17	35.7
110-8	1250	73.5	17	48.4
110-9	1000	58.8	17	57.6



Roof & Gutter heating cable ((A.N.E 900Series))

Technical Data

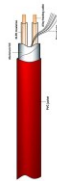
Cable construction	Twin conductor
Conductor	Solid heating core
Insulation	XLPE (Cross linked PE)
Shield	Aluminum-plastic tape
Protective jacket	PVC
Connector	Out splice
Outer diameter	6-6.5 mm
Rated voltage	230Vac
Power output	20W/m, 30W/m
Resistance tolerance	+10% / -5%
Certifications	CE,EAC,EACEx,ATEX



Walking & Ramps heating cable ((A.N.E 902 -18))

Technical Data

Cable construction	Twin conductor
Conductor	Solid heating core
Insulation	XLPE (Cross linked PE)
Shield	Aluminum-plastic tape
Protective jacket	PVC
Connector	Out splice
Outer diameter	5.5-6 mm
Rated voltage	230Vac
Power output	20W/m, 30W/m
Resistance tolerance	+10% / -5%
Certifications	CE,EAC,EACEx,ATEX



Line sensing thermostat ((A.N.E 1000)) Safe area

Temperature range	30_ 90 C 0_ 300 C 0- 40C
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	220 V 10 A / 110 V 16 A

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



Ex-Capillary thermostat((A.N.E 1000 Ex))

IP rating	IP 66
Ambient temperature	0 up to 40 °C, 30 °C up to 90 °C, 0 °C up to 300 °C
Switching capacity	16 A at 230 V / 10 A at 400 V
Switching differential	1pol. , 1 pol., changeover contact
Switching contact	1pole
Capillary tube	Stainless steel
Length of capillary tube	1.5 m
Metrial enclosure	coated aluminium
Bending radius capillary tube	5 mm
Cable entrance	1 x gland M20, clamping range 10-14 mm1 x thread M 20 x 1.5



GRP power connection box ((A.N.E 804))

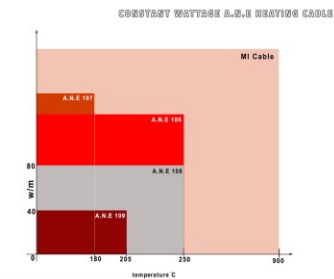
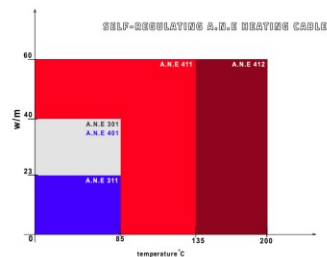
Part Number: A.N.E. 804

Material: GRP

Dimensions: 110mmx110mmx60mm

Color: RAL 1003, Signal yellow

Entries: One standard M20 one M25



Resin type end seal ((A.N.E 201 E-03)) Safe area

A.N.E 201 E-03	
Application	sealant for all type of cable up to 205 C°
Kit contents	Heat shrinkable Adhesive coated sleeves Installation instruction



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

Low profile end seal kit ((A.N.E 800,801))

ADDITIONAL MATERIALS REQUIRED

Fiber glass tape

ANE 23-10

ANE 23-20

APPROVALS

Hazardous Location
Suitable for heating cable type A.N.E 300 & A.N.E 412 & A.N.E 411
Exe II C T 4,CE, ATEX

Simple and fast to install
Corrosion resistant
Reliable during long life: 2 years extended product warranty available, maintenance free



Low profile splice & tee connection kit ((A.N.E 802,803))

ADDITIONAL MATERIALS REQUIRED

Fiber glass tape

ANE 23-10

ANE 23-20

APPROVALS

Hazardous Location
Suitable for heating cable type A.N.E 300 & A.N.E 412 & A.N.E 411
Exe II C T 4,CE, ATEX

Simple and fast to install
Corrosion resistant
Reliable during long life: 2 years extended product warranty available, maintenance free



Silicone power seal ((A.N.E 105))

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



BRACKET TYPE

A.N.E CODE	A.N.E 1027-330	A.N.E 1032-220	A.N.E 1213-10	A.N.E 820-110
External Diameter	27mm	22mm	13mm	22mm
External Diameter	27mm	22mm	13mm	18mm
Length of pipe	15cm	15cm	15cm	8 cm
Material	Galvanized metal	Galvanized metal	Galvanized metal	Galvanized metal

High temptature fiberglass tape ((A.N.E 23-10 , 23-20))

High temperature resistente tape use with gloves

Part number	Lenght	Width(mm)	Material
A.N.E 23 -10	23m	10mm	Fiberglass
A.N.E 23 -20	23m	10mm	Fiberglass

Aluminum tape ((A.N.E 21-50 , 21-48))

Aluminum tape suitable for protecting fixing and installation temperature. Resistant from -40 C to +140 C high adhesive strength

Part number	Lenght	Width(mm)	Material
A.N.E 21 -50	45m	50mm	ALU
A.N.E 21 -48	23m	48mm	ALU

Connection & intery insulation kit ((A.N.E 100))

