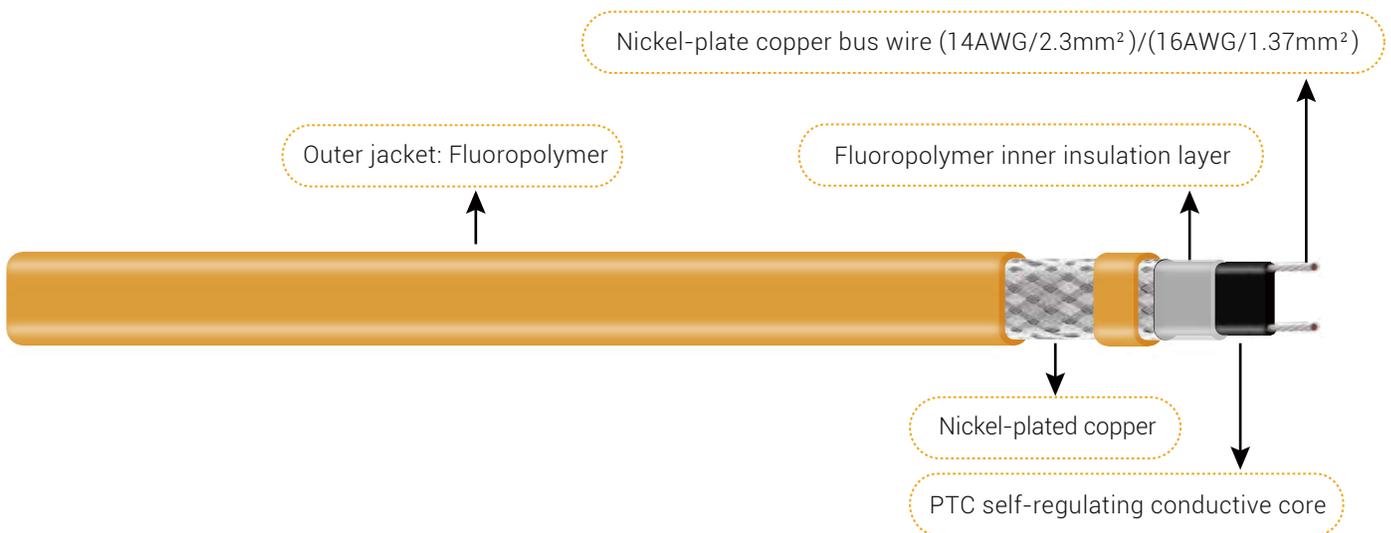




HTU⁺ Ultra-High temperature self-regulating heating cable

Overview:

Jiahong HTU⁺ Ultra-high temperature self-regulating heating cable can be used for ultra high continuous operation temperature (up to 210°C), also focus on the freeze protection and process temperature maintenance application, HTU⁺ heating cable can withstand the exposure temperature up to 260°C, including intermittent or continuous high temperature steam purge. In another way HTU⁺ heating cable can be installed at the minimum ambient temperature of -60°C, and there will be still high power output under high temperature condition. All of above are considered to ensure the completion of reaction or crystallization process in the production of petro-chemical and coal-chemical industry.



The extruded core tape, which made by parallel nickel-plate copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of fluoropolymer are added to Nickel-plated copper and the outer jacket form a complete structure of HTU⁺ heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

Product Feature:

- ◆ HTU⁺ heating cable is certified by IECEx, ATEX, NEPSI(China) and EAC(Russia), including explosion-proof application, which can be used in the explosion area and ordinary safety area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption.
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories.
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product.
- ◆ Ultra-high operating temperature and withstand temperature, as well as high output power under high temperature conditions, ensure that the economic benefits can be maximized in relevant application environments.



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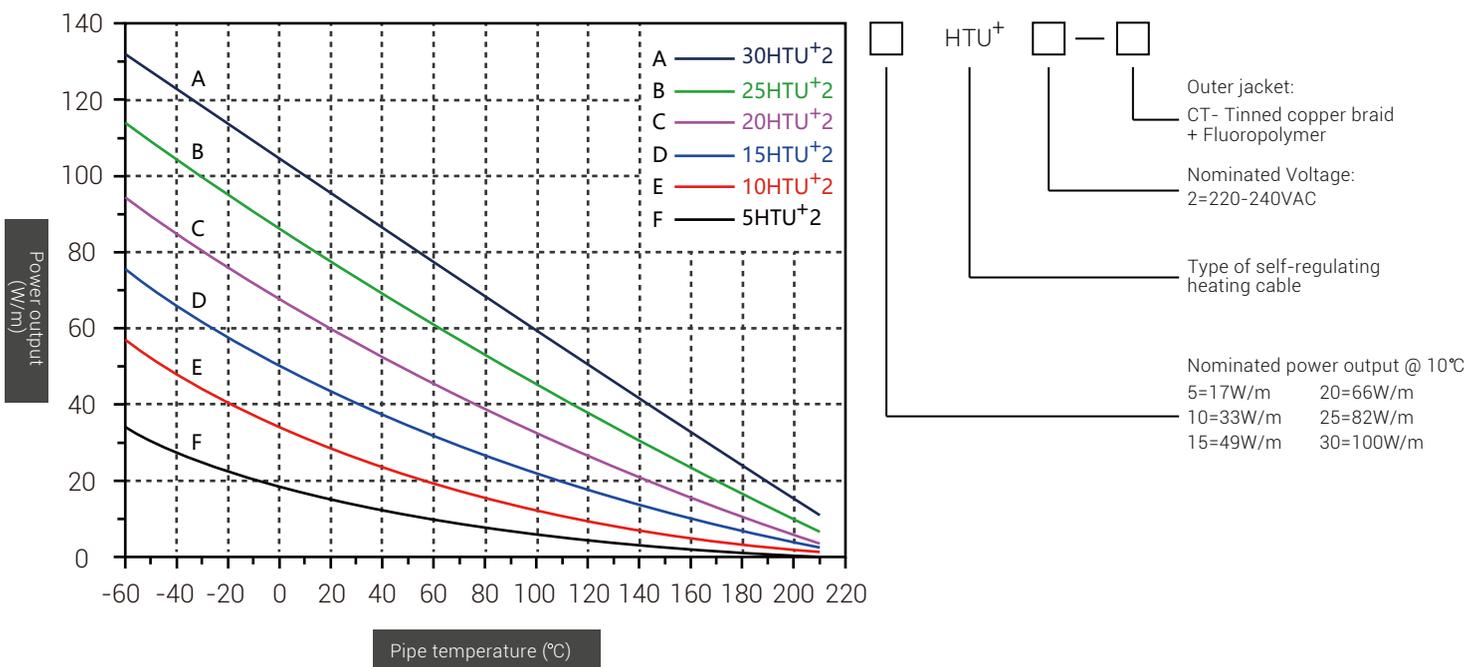
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Technical Specification:

Nominated Voltage:	230V (HTU ⁺ 2)
Maximum maintaince temperature	+210°C (410°F)
Maximum continuous exposure temperature:	+260°C (500°F)
Temperature classification	T2
IP level:	IP66/67
Minimum installation temperature:	-60°C
Minimum bending radius:	30mm
Nominated power output @10°C:	16W/m、33W/m、49W/m、66W/m、82W/m、100W/m
Dimension:	CT: 12.4mm(W)×4.8mm(T)
Approvals mark:	    

Power output curve:



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230V voltage level:

Circuit breaker size (A)	Start-up temperature (°C)	Maximum circuit length(m) (Type C circuit breaker based on IEC 60898 standard)					
		5HTU+2	10HTU+2	15HTU+2	20HTU+2	25HTU+2	30HTU+2
16	10	133	89	64	48	41	34
	0	127	80	63	46	39	33
	-10	116	73	58	43	38	31
	-20	108	63	53	40	36	30
	-40	94	54	46	36	33	28
20	10	160	111	80	59	52	43
	0	157	103	79	58	49	41
	-10	145	94	72	54	47	39
	-20	134	85	67	51	45	38
	-40	116	70	58	45	41	35
25	10	179	128	105	74	64	54
	0	175	124	99	72	62	51
	-10	162	115	90	68	59	49
	-20	155	99	84	63	56	47
	-40	144	86	72	56	52	43
32	10	185	128	105	94	83	69
	0	185	128	105	93	79	66
	-10	185	122	105	86	75	63
	-20	185	112	99	81	72	60
	-40	185	120	93	72	66	55
40	10	185	128	105	94	87	80
	0	185	128	105	94	87	80
	-10	185	128	105	94	87	78
	-20	185	128	105	94	87	75
	-40	185	128	105	89	83	69

Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10 °C Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.

2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.

3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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