

Overview:

Our HTU Super-high temperature self-regulating heating cable can be used for freeze protection application and process temperature maintained within/out steam purge (or the steam purge temperature will be lower than 232 C) in industry area. The maximum maintained temperature will be up to 190 C . No matter whether the pipeline is overhead or buried installation, HTU heating cable can maintain the temperature and phase structure of the medium in the pipeline or vessel.

Product Structure:



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 tinned copper braid and the outer jacket form a complete structure of HTU heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

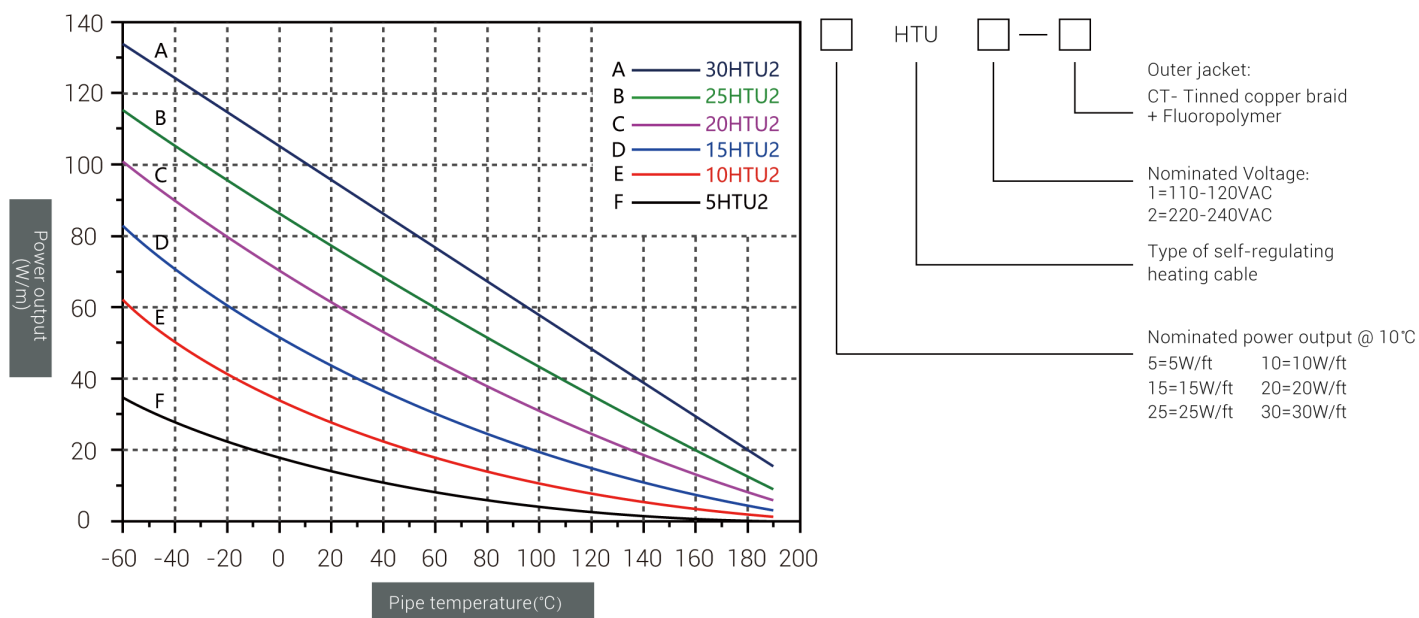
Product Features:

- 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.

Technical Specification:

Nominated Voltage:	110-120V(HTU1) / 220-240V(HTU2)
Maximum maintaince temperature:	+190°C (375°F)
Maximum intermittent exposure temperature:	+232°C (475°F)
Temperature classification:	T2
IP level:	IP66/67
Minimum installation temperature:	-60°C (-76°F)
Minimum bending radius:	32mm
Nominated power output @10°C:	5W/ft, 10W/ft, 15W/ft, 20W/ft, 25W/ft, 30W/ft
Dimension:	CT: 12.4mm (W) ×4.8mm (T)
Approvals mark:	   

Power output curve:



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120V Service Voltage:

CB size(A)	Start-up temperature °C (°F)	Max Circuit Length Vs Breaker Size (ft)					
		5HTU1	10HTU1	15HTU1	20HTU1	25HTU1	30HTU1
16	10 (50)	223	150	107	80	69	58
	0 (32)	212	134	106	78	65	54
	-10 (14)	195	122	97	73	61	51
	-20 (-4)	181	107	90	68	57	48
	-40 (-40)	157	91	78	60	51	43
20	10 (50)	269	187	134	100	87	72
	0 (32)	264	173	133	97	81	68
	-10 (14)	243	157	121	91	76	64
	-20 (-4)	224	143	112	85	71	60
	-40 (-40)	195	117	97	75	64	54
25	10 (50)	300	215	176	125	108	90
	0 (32)	293	208	166	122	101	85
	-10 (14)	272	194	152	113	95	79
	-20 (-4)	260	166	140	106	89	75
	-40 (-40)	241	144	121	94	80	67
32	10 (50)	311	215	176	157	138	116
	0 (32)	311	215	176	156	129	108
	-10 (14)	311	215	176	145	121	102
	-20 (-4)	311	204	166	136	114	96
	-40 (-40)	311	189	155	120	102	86
40	10 (50)	311	215	176	157	145	134
	0 (32)	311	215	176	157	145	134
	-10 (14)	311	215	176	157	145	127
	-20 (-4)	311	215	176	157	143	120
	-40 (-40)	311	215	176	150	128	107

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240V Service Voltage:

CB size(A)	Start-up temperature °C (°F)	Max Circuit Length Vs Breaker Size (ft)					
		5HTU2	10HTU2	15HTU2	20HTU2	25HTU2	30HTU2
16	10 (50)	447	300	215	160	138	116
	0 (32)	425	269	212	156	129	108
	-10 (14)	390	244	194	145	212	102
	-20 (-4)	361	213	179	136	114	96
	-40 (-40)	314	182	155	120	102	86
20	10 (50)	538	374	269	200	173	145
	0 (32)	529	346	265	195	162	135
	-10 (14)	485	314	243	181	152	127
	-20 (-4)	449	286	224	170	143	120
	-40 (-40)	390	234	194	150	128	107
25	10 (50)	601	430	353	249	216	181
	0 (32)	587	416	332	243	202	169
	-10 (14)	545	388	303	227	190	159
	-20 (-4)	520	331	280	212	179	150
	-40 (-40)	482	288	243	188	160	134
32	10 (50)	622	430	353	314	277	231
	0 (32)	622	430	353	311	259	217
	-10 (14)	622	430	353	290	243	203
	-20 (-4)	622	409	332	271	229	191
	-40 (-40)	622	377	311	240	205	171
40	10 (50)	622	430	353	314	291	267
	0 (32)	622	430	353	314	291	267
	-10 (14)	622	430	353	314	291	254
	-20 (-4)	622	430	353	314	286	239
	-40 (-40)	622	430	353	300	256	214

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