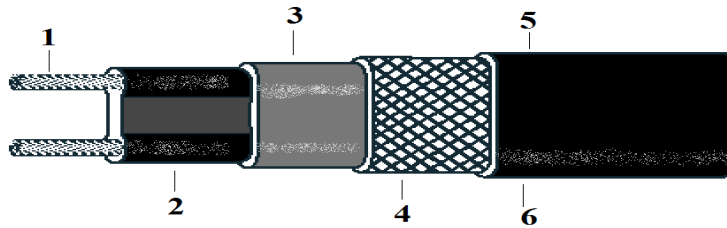


## BTT SELF-REGULATING HEAT TRACE



- 1 Bus Wire (16 AWG) Nickel-Plated Copper
- 2 Self-Regulating Semi-Conductive Heating Core, Radiation Cross-Linked
- 3 Primary Dielectric Insulation, Radiation Cross Linked Polyolefin
- 4 Tinned Copper Braid (16 AWG) Equivalent
- 5 Modified Polyolefin Outer Jacket (UV Inhibitor)
- 6 Optional Fluoropolymer Outer Jacket

### Performance Ratings

<b>Output Wattage:</b>	<b>3, 5, 8, 10 w/ft @ 50°F</b>
<b>Supply Voltages:</b>	<b>110 - 120 or 208V - 277Vac</b>
<b>Continuous Maintenance Temperature:</b>	<b>150°F (65°C) max</b>
<b>Intermittent Exposure Temperature:</b>	<b>185°F (85°C) max</b>

### Accessories

ThermaTrace, LLC offers a full line of approved accessories, including:

- PTK-I, Power Termination Kit
- ST-TK, Splice/Tee Termination Kit
- ETK, End Termination Kit
- HP-ET, High Profile End Termination Kit

### Description

BTT Series self-regulating heating cables vary their power output at any point along their length in direct response to specific temperature variations. BTT cables can maintain temperatures up to 150°F (65°C) and withstand intermittent exposure up to 185°F (85°C) with power on. BTT Series cables can be cut to length and terminated in the field, and will not overheat or burnout when overlapped.

### Applications

The BTT Series cables provide freeze protection and process temperature maintenance for fluid transport. BTT Series cables are covered by a Tinned Copper Braid to provide grounding and mechanical protection. Optional polyolefin or fluoropolymer over-jackets are available to provide added environmental protection where exposure to corrosive or organic materials is possible.



**Circuit Breaker Sizing vs. Max Circuit Length**

CABLE PART NUMBER	START UP TEMPERATURE	VOLTAGE	MAXIMUM CIRCUIT LENGTH/CIRCUIT BREAKER			
			15 AMP	20 AMP	30 AMP	40 AMP
<b>BTT 3-1</b>	50 DEG F	120	300	-	-	-
	0 DEG F	120	200	270	330	-
	-20 DEG F	120	180	230	330	-
<b>BTT 5-1</b>	50 DEG F	120	230	270	-	-
	0 DEG F	120	150	200	270	-
	-20 DEG F	120	130	175	260	270
<b>BTT 8-1</b>	50 DEG F	120	150	200	210	-
	0 DEG F	120	95	125	190	210
	-20 DEG F	120	85	100	170	210
<b>BTT 10-1</b>	50 DEG F	120	115	150	180	-
	0 DEG F	120	70	95	145	180
	-20 DEG F	120	60	85	120	165

POWER ADJUSTMENT FACTOR		
PART NO.	208 VAC	277 VAC
<b>BTT 3-2</b>	0.75	1.28
<b>BTT 5-2</b>	0.86	1.16
<b>BTT 8-2</b>	0.91	1.1
<b>BTT 10-2</b>	0.93	1.08

<b>BTT 3-2</b>	50 DEG F	240	660	-	-	-
	0 DEG F	240	410	560	660	-
	-20 DEG F	240	360	480	660	-
<b>BTT 5-2</b>	50 DEG F	240	460	540	-	-
	0 DEG F	240	300	400	540	-
	-20 DEG F	240	260	345	520	540
<b>BTT 8-2</b>	50 DEG F	240	295	390	420	-
	0 DEG F	240	195	250	375	420
	-20 DEG F	240	170	225	340	420
<b>BTT 10-2</b>	50 DEG F	240	230	305	360	-
	0 DEG F	240	150	200	300	360
	-20 DEG F	240	130	175	260	360

**APPROVALS:**

UL Listed - KQXR, Pipe Trace Cable

**CABLE PART NUMBER INFORMATION**

EXAMPLE: 5 W/FT, 120 VAC, POLYOLEFIN OVERJACKET

**BTT - 5 1 P**

**SERIES:** \_\_\_\_\_

**POWER OUTPUT:** \_\_\_\_\_

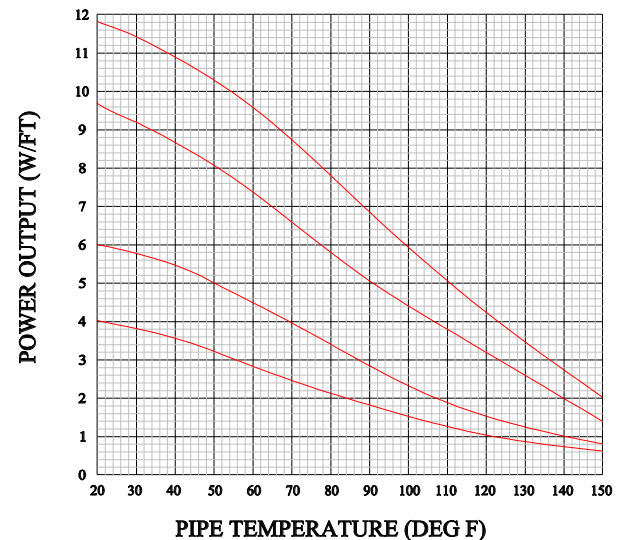
3 = 3 W/FT  
5 = 5 W/FT  
8 = 8 W/FT  
10 = 10 W/FT

**VOLTAGE:** \_\_\_\_\_

1 = 120 VAC  
2 = 208-277 VAC

**JACKET** \_\_\_\_\_

P = TINNED COPPER W/POLYOLEFIN OVERJACKET  
T = TINNED COPPER W/FLUOROPOLYMER OVERJACKET



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