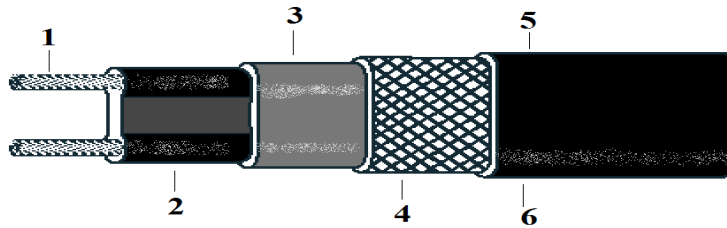


BTT Roof & Gutter Deicing cable



- 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

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

Accessories

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

- PTK-RG, Power Termination Kit
- A90 Roof Clip
- DSH-90, Downspout Hanger Kit
- Controllers & sensors

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
BTT 3-1	50 DEG F	120	300	-	-	-
	0 DEG F	120	200	270	330	-
	-20 DEG F	120	180	230	330	-
BTT 5-1	50 DEG F	120	230	270	-	-
	0 DEG F	120	150	200	270	-
	-20 DEG F	120	130	175	260	270
BTT 8-1	50 DEG F	120	150	200	210	-
	0 DEG F	120	95	125	190	210
	-20 DEG F	120	85	100	170	210
BTT 10-1	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
BTT 3-2	0.75	1.28
BTT 5-2	0.86	1.16
BTT 8-2	0.91	1.1
BTT 10-2	0.93	1.08

BTT 3-2	50 DEG F	240	660	-	-	-
	0 DEG F	240	410	560	660	-
	-20 DEG F	240	360	480	660	-
BTT 5-2	50 DEG F	240	460	540	-	-
	0 DEG F	240	300	400	540	-
	-20 DEG F	240	260	345	520	540
BTT 8-2	50 DEG F	240	295	390	420	-
	0 DEG F	240	195	250	375	420
	-20 DEG F	240	170	225	340	420
BTT 10-2	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 - Roof & Gutter Deicing 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 = 5W/FT

8 = 8W/FT

10 = 10 WFT

VOLTAGE: _____

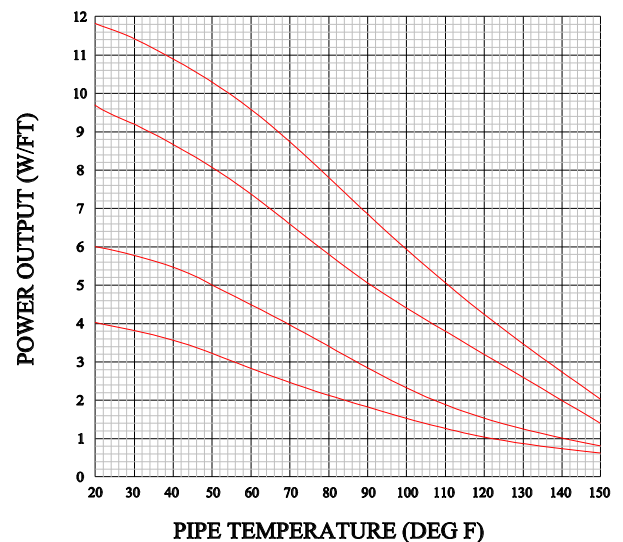
1 = 120 VAC

2 = 208-277 VAC

JACKET _____

P = TINNED COPPER W/POLYOLEFIN OVERJACKET

T = TINNED COPPER W/FLUOROPOLYMER OVERJACKET



All of the above information contained in this document, including graphs, tables and illustrations, is presented in good faith and believed to be reliable and accurate. However, because testing conditions may vary and material quality or information that may be provided in whole or in part by others may be beyond our control, users should independently evaluate the suitability of each product for their application. No warranty, expressed or implied, is given and ThermaTrace, LLC assumes no liability for incidental, indirect, or consequential damages incurred through the application of the data and tests presented, and the sale, resale, use or misuse of the product.