

# VT20, VTN, VTC

For freeze protection and process heating applications up to 400°F (204°C)

# VersaTrace™

## Series Circuit Heating Cable



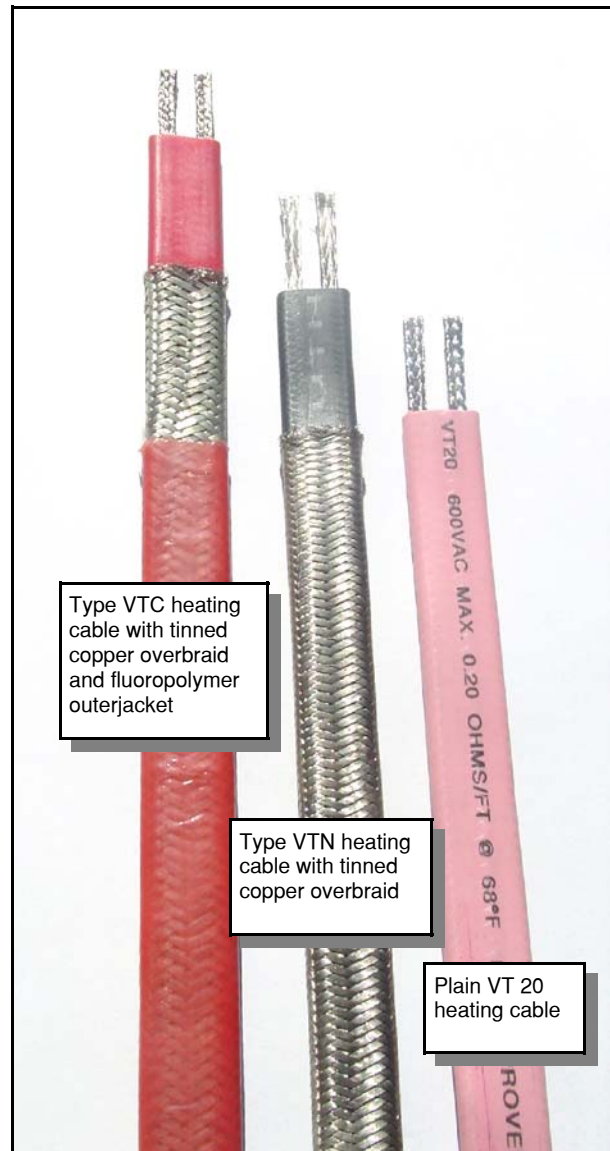
- ◆ *Designed and constructed to handle the very toughest heat tracing applications*
- ◆ *Voltage ratings up to 600 VAC*
- ◆ *Power ratings up to 20 watts/ft*
- ◆ *Highly flexible, simple and quick to install*
- ◆ *Patented, proven, effective and reliable*
- ◆ *Factory Mutual Approved for use in unclassified, hazardous and corrosive environments*
- ◆ *Can be used safely on piping that is routinely steam cleaned*

VersaTrace VT heating cables are high temperature, industrial grade heating cables that can be used on many applications ranging from simple freeze protection to process temperature maintenance applications of 400°F (204°C).

The VT product range are fixed resistance, series circuit style heating cables, that can be cut to length at the job site and designed to provide power outputs up to 20 watts/ft on operating voltages up to 600 VAC. With exceptionally high temperature exposure ratings of 500°F (260°C), all VT heating cables can be used safely on process piping systems that may need to be routinely or periodically steam cleaned.

VT heating cables are *RUGGED* and constructed to handle the highest levels of mechanical and environmental abuse without failure or any loss of performance. Applications that immediately destroy conventional heating cables are handled with complete safety and reliability. Without exception, VT cables are the *TOUGHEST*, industrial grade heating cables available.

VT heating cables are tough, but they are also amazingly flexible. They can be cut to length at the job site to match the exact lengths of pipes to be traced and they are easily wrapped around valves, pumps and fittings. The installation of all VT heating cables is quick, simple and requires no special tools, knowledge or skills. A complete range of standard power connection kits, splice kits, tee splice kits and controls are readily available.



# SPECIFICATIONS

**POWER RATING** Up to 20 watts / ft  
(Maximum power output restricted by desired maintenance temperature)

**TEMPERATURE RATING** Continuous (power on) 400°F  
Intermittent (power off) 500°F

**HEATING ELEMENT MATERIALS & SIZE**

	VT 20	VTN	VTC
	Nickel Chrome (13 AWG)	Pure Nickel (13 AWG)	Nickel plated Copper (13 AWG)

**HEATING ELEMENT RESISTANCE**

	VT 20	VTN	VTC
	0.2 Ω / ft @ 68°F ± 10 %	0.02 Ω / ft @ 68°F ± 10 %	0.004 Ω / ft @ 68°F ± 10 %

**RESISTANCE / TEMPERATURE ADJUSTMENT FORMULA**

	VT 20	VTN	VTC
	Ω / ft = 0.19723 + (°F X 0.00004)	Ω / ft = 0.01486 + (°F X 0.000076)	Ω / ft = 0.00335 + (°F X 0.00001)

**DIELECTRIC RATINGS**

	VT 20	VTN	VTC
Material	Silicone Rubber	Silicone Rubber	Silicone Rubber
Voltage	2200 VAC	2200 VAC	2200 VAC
Color	Pink	Black	Red

**MAXIMUM DESIGN VOLTAGE**

	VT 20	VTN	VTC
	600 VAC	600 VAC	600 VAC

**APPROVALS AND CERTIFICATIONS**

For types "B" and "BF" only.  
Plain versions of VT20, VTN and VTC do not carry FM Approval

Factory Mutual Approvals (FM)

Unclassified Areas  
Class I Div 2 Groups B, C & D  
Class II  
Class III

## ACCESSORIES

HTD Heat Trace, Inc. supplies a full range of accessories for use with the VersaTrace VT product range. Accessories include termination kits, splice kits, tee splice kits, fixing tape, heat transfer tape, junction boxes and thermostats. Please consult HTD for full details.

## STANDARD POWER RATINGS, VOLTAGES AND CIRCUIT LENGTHS

	120 V	240 V	480 V	600 V
VT 20	Circuit lengths (ft)			
5 w / ft	120	240	481	601
10 w / ft	85	170	340	425
20 w / ft	60	120	240	300
VTN	Circuit lengths (ft)			
5 w / ft	393	786	1571	1964
10 w / ft	278	556	1111	1389
20 w / ft	196	393	786	982
VTC	Circuit lengths (ft)			
5 w / ft	865	1730	3460	4324
10 w / ft	612	1223	2446	3058

## ORDERING INFORMATION

Feature	Order References
Product Codes	VT 20 VTN VTC
Tinned Copper Overbraid	B
Optional FEP Overjacket and sequential footage marker	F

Example:

To order VT 20 heating cable, complete with overbraid and FEP overjacket, the final product and ordering code should read:

**VT20BF**



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