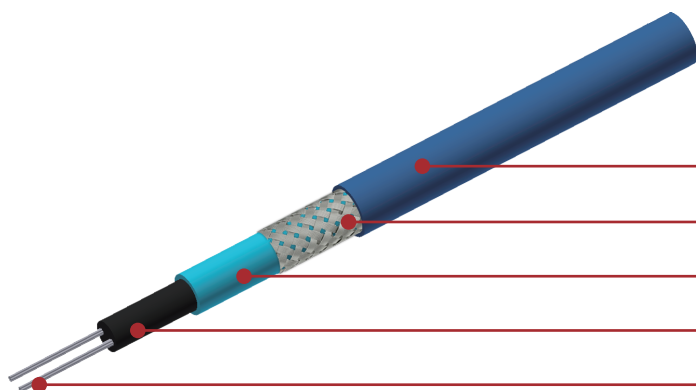


Self regulating heating cable

Description

The VTR VineTrace self-regulating heating cable features a round, compact design with a specially engineered PTC core that ensures a wider heating area and stable temperature control. Its extruded insulation fully fills the space between conductors, increasing creepage distance and eliminating short circuit risks. The slim, flexible round shape allows for easy installation on flat or irregular surfaces, making it ideal for tight spaces and complex applications.



Cable Construction



Outer Jacket: Modified polyolefin(option)

Tinned copper braid(option)

Radiation cross-linked polyolefin insulation

Semi-conductive self-limiting matrix

Bus wire: Tinned Copper

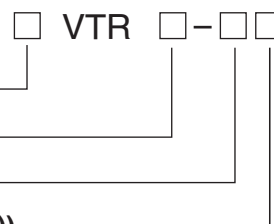
Ordering Information

Power Output(5,10,15W/m, 10°C)

Supply Voltage (1:110~120V; 2:208~240V)

Tinned-copper Braid (-C)

Outer jacket (R: Modified polyolefin T: Fluoropolymer P:TPE(UV Inhibitor))



Application

The VTR self-regulating heating cable has an ultra-compact structure with an outer diameter of less than 3mm—much smaller than traditional self-regulating cables. Its small size and tight bending radius make it ideal for confined spaces, offering easy installation across industrial, commercial, and residential applications. VTR can fully replace both conventional self-regulating cables and constant wattage (resistance wire) heaters. Unlike constant wattage cables that risk overheating, CSR adjusts its power output based on temperature, ensuring consistent warmth without the risk of burns. It's a safer, smarter, and more flexible heating solution.

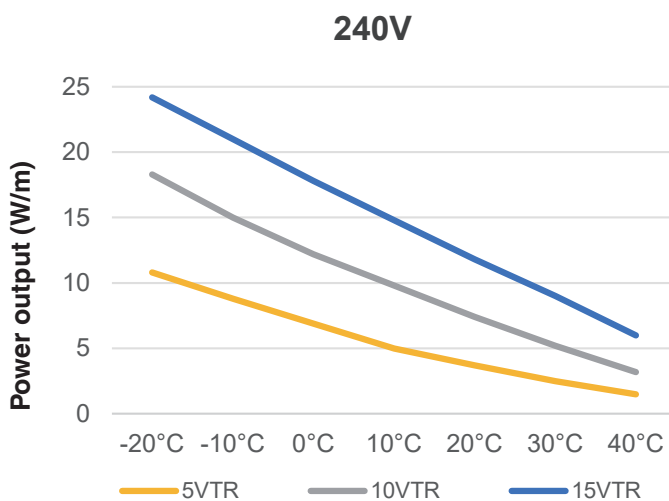
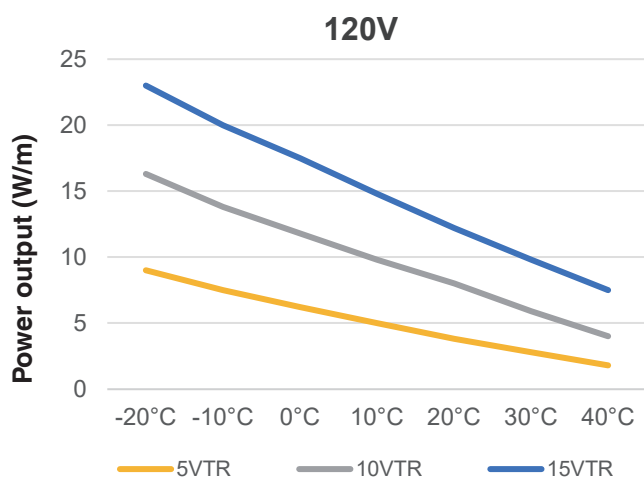
Characteristics

Bus wires	25AWG tin-plated copper wires		
Insulation	Radiation cross-linked polyolefin insulation		
Metallic braid	Tinned copper		
Outer jacket	CR: Modified polyolefin CT: Fluoropolymer CP: UV inhibitor		
Supply Voltage	110~120Vac or 208~240Vac		
Circuit protection	30mA ground fault protection required		
Temperature rating		Weights and dimensions	
Maximum exposure temperature	85°C	Type	Dimensions
Minimum installation temperature	-18°C	VTR1/2	3.5mm
Minimum bend radius 10mm(at -20°C)		VTR1/2-CR	4.6mm
			Weight
			1.5Kg/100m
			3.0Kg/100m

110-120Vac Service Voltage		Maximum circuit length(m)
Catalog No.	Start-up Temp.	
5VTR1	10°C	35
	0°C	31
	-10°C	26
	-20°C	22
10VTR1	10°C	23
	0°C	20
	-10°C	16
	-20°C	13
15VTR1	10°C	14
	0°C	12
	-10°C	10
	-20°C	9

208-240Vac Service Voltage		Maximum circuit length(m)
Catalog No.	Start-up Temp.	
5VTR2	10°C	72
	0°C	58
	-10°C	47
	-20°C	38
10VTR2	10°C	45
	0°C	37
	-10°C	30
	-20°C	25
15VTR2	10°C	30
	0°C	25
	-10°C	21
	-20°C	18

Power curve



Accessories

E-POLY supplies a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. These items are recommended for the correct operation of CSR products.

Further Information

Please consult the appropriate termination instructions and the E-POLY Installation, Testing and Maintenance Manual for further details.