

**Description**

Duct averaging temperature sensors are designed specifically for HVAC system temperature control. The averaging sensors come in thermistor compatible with most BAS systems available today. Averaging sensors come with a foambacked handy box and in 12ft(3.5m), 24ft(7m),39ft(12m) lengths. Duct averaging temperature sensor should be mounted across a duct in a serpentine fashion with bends in a smooth ark using clip.



**12 meter cable with 9 overmolded sensor elements**



Clip

**Features**

- Lengths of 12ft (3.5m),24ft (7m),39ft(12m)
- Five-year warranty
- Cable Property FT4, 105°C, 300V standard or 200°C, 300V high temperature on request.
- Cable Material PVC standard or High temperature silicon available on request.

## Specifications

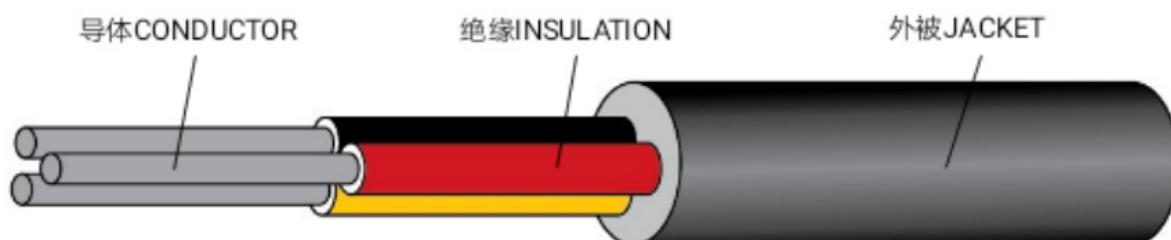
<b>Accuracy</b>	
Thermistor	±0.36°F (0.2°C)
RTD	±0.5°F (0.28°C)
<b>Sensor Type</b>	
Thermistor	10 kΩ Type II & III
RTD	1000Ω
Temperature Range	-20°C~80°C
<b>Stability</b>	
Thermistor/RTD	0.24°F (0.13°C) over five years
Heat Dissipation	Thermistor,3mW/°C (power needed to raise the temperature by 1°C)
Enclosure Rating	Watertight metalbox,Metal box,Plastic box
Warranty	5 years

## Wire Specifications

<b>SPEC NO</b>	UL2464 20AWG
<b>Reference Standard</b>	UL1581/758
<b>Rated Temperature</b>	80°C
<b>Rated Voltage</b>	300V
<b>Flame Retardant Grade</b>	VW-1
<b>Environmental Standards</b>	RoHS

<b>Conductor</b>	<b>Sectional Area</b>	AWG/mm	21/0.178±0.008TS
	<b>Conductor Material</b>	/	Tinned Copper Wire
	<b>Sectional Area</b>	mm <sup>2</sup>	0.52
	<b>Stranded Diameter</b>	mm	0.94
<b>Insulation</b>	<b>Material</b>	/	Pvc
	<b>The Average Thickness</b>	mm	0.28
	<b>Minimum Gauge</b>	mm	0.24
	<b>Insulation Diameter</b>	mm	1.5±0.1
<b>Jacket</b>	<b>Material</b>	/	Pvc
	<b>The Average Thickness</b>	mm	1.05
	<b>Minimum Gauge</b>	mm	0.95
	<b>Overall Diameter</b>	mm	4.8±0.15

## Structure Diagram



## Part Number Scheme

D TSAVG - 12 - 7

Code	Description
DTS	Duct Averaging Temperature Sensors

Code	Temperature Curve
7	10K Type2

Code	Cable Length
12	12ft/3.5m
24	24ft/7m
39	39/12m

## Wiring Arrangement

