

CDNCS











# **DERAY VT 220**

Thin Wall Viton® Fluoroelastomer Heat Shrink Tubing, suitable for use in electronic systems and engine components in automotive, military/aerospace and industrial applications requiring outstanding heat and fluid resistance

# Features

- Highly abrasion resistant
- High withstand to corrosive fluids in extreme temperatures
- Flame retardant
- Very flexible
- Easily hot-stamped
- Meets MIL-DTL-23053/13; MIL-R-46846, Type III
- Continuous operating temperature: -55°C to 220°C
- Shrink temperature: 175°C

## DERAY VT 220

## **Technical Data**

Physical				
Property	Test Method	Typical Performance		
Tensile Strength	ASTM D2671, IEC811-1-1	1500 psi (10.5 MPa)		
Elongation	ASTM D2671, IEC811-1-1	250%		
Longitudinal Change	ASTM D2671	+1, -10%		
2% Secant Modulus	ASTM D2671	12300 psi (85 MPa)		
Specific Gravity	ASTM D792	1.90		
Elongation after Heat Aging (168hrs at 250°C)	ASTM D2671, IEC811-1-1	150%		
Heat Shock (4hrs at 300°C)	ASTM D2671, IEC811-1-2	No cracking or flowing		
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking		
Flammability	ASTM D2671	Self-extinguishing		
Electrical				
Dielectric Strength	ASTM D2671, VDE 0303	150V/Mil (6kV/mm)		
Volume Resistivity	ASTM D2671, VDE 0303	10 <sup>12</sup> ohm-cm		
Chemical				
Fluid Resistance	MIL-DTL-23053/13,	Excellent		
Copper Corrosion	ASTM D2671	Non-corrosive		
Water Absorption	ASTM D570, VDE 0472	1%		
Fungus Resistance	ISO 846	Very Good		

#### CANUSA

#### There's no end to what we cover

CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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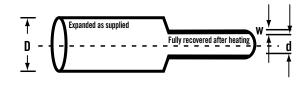
#### WORLDWIDE WEB: www.canusa-emi.com

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### Dimensions

		EXPA	NDED	RECOVERED					
ORDER REF. NO. Metric imperial		INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MIN)		WALL THICKNESS (NOM)		STANDARD LENGTHS	
XXXX	YYYY	mm	) IN	mm	d <sub>IN</sub>	mm	w IN	<b>AA</b> m	BB FT
0032	0125*	3.2	1/8	1.6	0.062	0.80	0.031	50	168
0048	0187	4.8	3/16	2.4	0.094	0.90	0.035	50	168
0064	0250	6.4	1/4	3.2	0.125	0.90	0.035	50	168
0095	0375	9.5	3/8	4.8	0.188	1.00	0.039	50	168
0127	0500	12.7	1/2	6.4	0.250	1.20*	0.047	25	82
0190	0750	19.0	3/4	9.5	0.375	1.40*	0.055	25	82
0254	1000	25.4	1	12.7	0.500	1.80*	0.071	25	82
0381	1500	38.1	1 1/2	19.0	0.750	2.40*	0.094	15	49
0508	2000	50.8	2	25.4	1.000	2.80*	0.110	15	49
* Meete the meterial performance of MIL Spee only									

\* Meets the material performance of MIL Spec only.



## Ordering

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

To Order in Metric Units:

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Lengths:	Supplied on continuous reels
Standards:	MIL-R-46846, Type 3, Class 1; MIL-DTL-23053/13, VG 95343
	Part 05, Type E; DEF STAN 59/97 Issue 3 Code 4a, VDE PAN
	6480, No MP421

Note: Non-standard colors, sizes and lengths available subject to factory quotation. <u>REV 1</u>