

ZH-VT200 Series

200°C Fluoroelastomer Tubing

used for applications requiring high resistance to corrosive fluids, fuels, lubricants, acids and solvents to prevent wire harnesses, cables and appliances at elevated temperatures.

Features and benefits

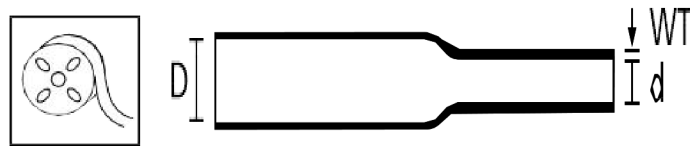
- High temperature resistant fluoroelastomeric heat shrink tubing
- Very good electrical, chemical and mechanical features
- Resistant to many fuels, oils and lubricants
- Flexible even at very low temperatures

Approvals

- SAE AMS-DTL23053/13



Standard Color: Black



Heat Shrinkable Tubing 2:1



MATERIAL	Fluoroelastomer, cross-linked
Shrink Ratio	2:1
Operating Temperature	-55 °C to +200 °C
Min. Shrink Temperature	+175 °C
Longitudinal Change After Shrinkage	-15% ~ +15%
Dielectric Strength	12 kV/mm
Flammability	self-extinguishing within 15s
Insulation Grade	600V

Sizes

Size		As supplied(mm)	After recovered(mm)		Standard packing(m/roll)
inch	mm	Inside diameter(min.)	Inside diameter(max.)	Wall thickness	
3/32	Φ2.4	2.4	1.2	0.60±0.10	200
1/8	Φ3.2	3.2	1.6	0.76±0.13	100
3/16	Φ4.8	4.8	2.4	0.89±0.18	50
1/4	Φ6.4	6.4	3.2	0.89±0.18	50
3/8	Φ9.5	9.5	4.8	0.89±0.18	50
1/2	Φ12.7	12.7	6.4	0.89±0.18	50
3/4	Φ19.1	19.1	9.5	1.07±0.21	30
1	Φ25.4	25.4	12.7	1.25±0.30	30
1 1/2	Φ38.1	38.1	19.1	1.40±0.38	30
2	Φ50.8	50.8	25.4	1.65±0.43	30

Other sizes and colors are available upon request
Minimum Order Quantity (MOQ) may differ from package content.

性能指标Property

Property	Requirement	Test method	Typical data
Longitudinal shrinkage	-15%~15%	ASTM D2671	-10%~10%
Water absorption rate(23°C,24hrs)	0.5% max.	ASTM D 570	≤0.3%
Tensile strength	11.0MPa min.	ASTM D 638	≥16MPa
Elongation at break	250% min	ASTM D 638	≥400%
Tensile strength after aging(250°C,168hrs)	11.0MPa min.	ASTM D 638	≥12MPa
Elongation after aging(250°C,168hrs)	200% min.	ASTM D 638	≥300%
Heat shock(300°C,4hrs)	No crack	ASTM D 2671	No crack
Low temperatureflexibility(-55°C,4hrs)	No crack	ASTM D 2671	No crack
Dielectric voltage withstands	2500V,60sec, no breakdown	ASTM D 2671	No breakdown
Dielectric strength	7.9KV/mm min	ASTM D 2671	≥12kv/mm
Volume resistivity	10 ⁹ Ω·cm min.	ASTM D 876	10 ⁹ Ω·cm
Copper corrosion (175°C,16hrs)	No Corrosion	ASTM D 2671	No Corrosion
Flammability	Self-extinguishing within 15s	ASTM D 2671	pass
(23°C,24hrs)Fluids Resistance			
Tensile strength	11.0MPa min.	ASTM D 638	≥12MPa
Elongation at break	250% min	ASTM D 638	≥400%
Fungus resistance	Rating less than 1	GJB150	pass

*Wall thickness includes adhesive thickness
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