

- Very thin wall
- Rapid installation
- Excellent flame retardancy
- Low recovery temperature

## V4

Very flexible, highly flame retarded, heat-shrinkable tubing

## Raychem

V4 is a very flexible, highly flame retarded polyolefin heat-shrinkable tubing with a low recovery temperature. It has been designed as a cost-effective, environmentally friendly choice for many commercial applications. V4 tubing will electrically insulate and mechanically

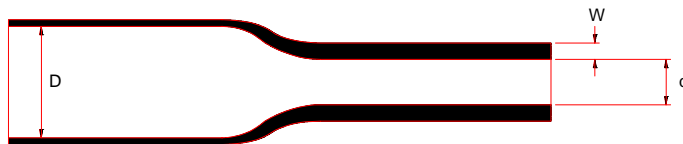
protect components, terminals and splices. In particular, it is used in applications where space saving is important. Its thin wall allows components to be packed more closely than is possible with standard tubings.

V4 tubing can shrink more than twice as fast as standard tubings, therefore reducing installation time and cost. It has a low recovery temperature (+90°C) which may help prevent the overheating of heat-sensitive components.

### Temperature rating

Operating temperature range:	-55°C to +125°C
Minimum shrink temperature:	+70°C
Minimum full recovery temperature:	+90°C

### Ordering information



Inside diameter		Wall thickness	Standard package	
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Recovered after heating	Spool quantity	Ordering description
mm	mm	mm	m	
1.17	0.58	0.30	457	V4- <sup>3</sup> / <sub>64</sub> -0
1.6	0.79	0.30	914	V4- <sup>1</sup> / <sub>16</sub> -0
2.36	1.17	0.30	762	V4- <sup>3</sup> / <sub>32</sub> -0
3.17	1.57	0.30	762	V4- <sup>1</sup> / <sub>8</sub> -0
4.74	2.36	0.33	304	V4- <sup>3</sup> / <sub>16</sub> -0
6.35	3.17	0.36	228	V4- <sup>1</sup> / <sub>4</sub> -0
9.52	4.74	0.36	152	V4 <sup>3</sup> / <sub>8</sub> -0
12.7	6.35	0.36	152	V4- <sup>1</sup> / <sub>2</sub> -0
19.05	9.52	0.43	76	V4 <sup>3</sup> / <sub>4</sub> -0
25.4	12.7	0.51	76	V4-1-0

The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

### Standard colours

Colour	Black
Code	0

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## Approvals

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UL 224 125°C VW-1 File E35586

CSA-OFT File 31929

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## Performance

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Test	Test method	Test requirement	
Tensile strength	ASTM D2671	10.3 MPa	
Ultimate elongation	ASTM D2671	200%	
Heat Ageing:	UL 224 (168h at 158°C)	Tensile strength:	70% retention
		Ultimate elongation:	100% (minimum)
Copper contact corrosion:	ASTM D2671 (168h at 158°C)	Ultimate elongation:	100% (minimum)
Dielectric strength:	ASTM D2671	20 MV/m	
Flame retardancy:	UL 224	VW-1	

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For full product performance details consult Raychem Specification RW 3023.

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## Specifications

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Raychem Specification RW 3023

Material Safety Data Sheet available on request.

Installation instructions available on request.

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