

High temperature and fluid resistant, extra tough, semi-rigid heat-shrinkable tubing. Excellent chemical resistance, excellent abrasion resistance, 2:1 shrink ratio.

RW-175 is an extremely tough, high temperature, thin wall insulation tubing. This transparent, non-burning, semi-rigid tubing has superior resistance to most industrial fuels, solvents and chemicals.

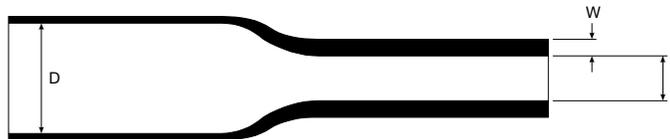
Designed for applications requiring strain relief at temperatures up to 175°C, this product is unusually tough in its resistance to abrasion and cut through. Typical applications include high temperature

applications, protection, strain relief, chemical resistance, mechanical and abrasion protection.

**Temperature rating**

Operating temperature range:	-55°C to +175°C
Minimum shrink temperature:	+155°C
Minimum full recovery temperature:	+175°C

**Ordering information**



Inside diameter		Wall thickness	Standard package	
D (min)	d (max)	W (nom)	1.22m	
Expanded as supplied	Recovered after heating	Recovered after heating	Length quantity	Ordering description
mm	mm	mm	m	
1.2	0.6	0.25	60	RW-175- <sup>3</sup> / <sub>64</sub> -X
1.6	0.8	0.25	60	RW-175- <sup>1</sup> / <sub>16</sub> -X
2.4	1.2	0.27	60	RW-175- <sup>3</sup> / <sub>32</sub> -X
3.2	1.6	0.27	60	RW-175- <sup>1</sup> / <sub>8</sub> -X
4.8	2.4	0.27	60	RW-175- <sup>3</sup> / <sub>16</sub> -X
6.4	3.2	0.33	30	RW-175- <sup>1</sup> / <sub>4</sub> -X
9.5	4.8	0.33	30	RW-175- <sup>3</sup> / <sub>8</sub> -X
12.7	6.4	0.33	30	RW-175- <sup>1</sup> / <sub>2</sub> -X
19.0	9.5	0.43	30	RW-175- <sup>3</sup> / <sub>4</sub> -X
25.4	12.7	0.48	30	RW-175-1-X
38.1	19.1	0.51	12	RW-175-1 <sup>1</sup> / <sub>2</sub> -X
50.8	25.4	0.51	6	RW-175-2-X

**Standard colors**

Standard color	Clear
Code	X

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## Approvals

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UL 224 E35586 VW-1	Def Stan 59-97 Type 3
CSA LR31929	SAE AMS-DTL-23053/8
VG 95343 Part 5 Type F	VDE 0341/Pt 9005
BS 3G 198 Part 4	

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## Performance

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Test	Test method	Test requirement
Heat Ageing:	IEC 60684 - 2 clause 39 (168h at 200°C)	Tensile strength: 15 MPa (min) Elongation: 75% (min)
Corrosion resistance:	IEC 60684 - 2 clause 33 (16h at 175°C)	No corrosion of mirrors
Breakdown voltage:	IEC 60684 - 2 clause 21	See table in spec
Flame propagation:	IEC 60684 - 2 clause 26 Method C	15s (max) UL 224 VW1
Fluid resistance:	IEC 60684 - 2 clause 36	Tensile strength: 25 MPa (min) Ultimate elongation: 150% (min)
	Test fluids:	Aircraft fuel to ISO1817 liquid F (70°C) Phosphate ester ISO1817 liquid 103 (23°C) Lubricating oil ISO1817 liquid 101 (70°C)

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For full product performance details consult Raychem Specification RW-3029/1.

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## Specifications

Raychem Specification RW-3029/1.

Material Safety Data Sheet available on request.

Installation instructions available on request.

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Raychem and RW-175 are trademarks of Tyco Electronics Corporation.

**Users should independently evaluate the suitability of the product for their application.**

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