

- Good chemical and solvent resistance
- Excellent physical and electrical properties

VERSAFIT

Highly flame-retarded, low shrink temperature polyolefin heat-shrinkable tubing

Raychem

Versafit highly flame-retarded, very flexible polyolefin heat-shrinkable tubing has been designed to meet the stringent requirements of UL 224 VW-1 and CSA-OFT and is,

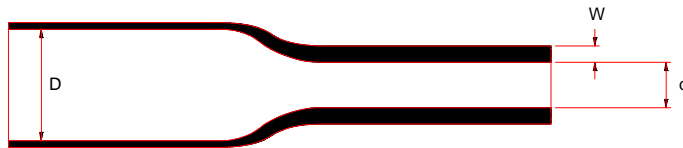
therefore, recommended for use in applications requiring the highest level of flame retardance. Versafit tubing will electrically insulate and protect in-line components, terminals and splices,

bundle wires for very flexible, light duty harnesses and provide electrical insulation, mechanical protection, cable bundling and strain relief.

Temperature rating

Operating temperature range:	-55°C to +135°C
Minimum shrink temperature:	+70°C
Minimum full recovery temperature:	+90°C

Ordering information



Inside diameter		Wall thickness	Standard package	
D Expanded as supplied	d (max) Recovered after heating	W Recovered after heating	Spool quantity Black only	Spool Quantity Varies for Other colours
mm	mm	mm	m	Ordering description
1.63 ^{+/.2}	0.58	0.40 ^{+/.08}	300	VERSAFIT- ³ / ₆₄ -colour code
1.85 ^{+/.2}	0.79	0.43 ^{+/.08}	300	VERSAFIT- ¹ / ₁₆ -colour code
2.79 ^{+/.2}	1.17	0.51 ^{+/.08}	150	VERSAFIT- ³ / ₃₂ -colour code
3.43 ^{+/.2}	1.57	0.51 ^{+/.08}	150	VERSAFIT- ¹ / ₈ -colour code
5.21 ^{+/.3}	2.36	0.51 ^{+/.08}	150	VERSAFIT- ³ / ₁₆ -colour code
7.11 ^{+/.3}	3.17	0.64 ^{+/.08}	75	VERSAFIT- ¹ / ₄ -colour code
10.16 ^{+/.4}	4.74	0.64 ^{+/.08}	121	VERSAFIT- ³ / ₈ -colour code-FSP
13.72 ^{+/.4}	6.35	0.64 ^{+/.08}	91	VERSAFIT- ¹ / ₂ -colour code-FSP
16.90 ^{+/.4}	8.0	0.76 ^{+/.08}	91	VERSAFIT- ⁵ / ₈ -colour code-FSP
20.45 ^{+/.4}	9.52	0.76 ^{+/.08}	60	VERSAFIT- ³ / ₄ -colour code-FSP
25.53 ^{+/.4}	12.7	0.89 ^{+/.12}	60	VERSAFIT-1 -colour code-FSP
33.40 ^{+/.7}	15.88	1.02 ^{+/.15}	45	VERSAFIT-1 ¹ / ₄ -colour code
39.88 ^{+/.8}	19.05	1.02 ^{+/.15}	38	VERSAFIT-1 ¹ / ₂ -colour code
52.83 ^{+/.1.0}	25.4	1.14 ^{+/.16}	38	VERSAFIT-2 -colour code
78.49 ^{+/.1.0}	38.1	1.27 ^{+/.20}	30	VERSAFIT-3 -colour code
104.14 ^{+/.1.3}	50.8	1.40 ^{+/.23}	30	VERSAFIT-4 -colour code

Standard colours

Colour	Black
Code	0

Description Suffix-FSP Flat Spool Product. Mandatory for 5/8" only.

VERSAFIT

Approvals

UL E35586 VW-1	
CSA LR31929 OFT	MIL-DTL-23053/5, Classes 1+3

Performance

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	

For full product performance details consult Raychem Specification RW 3009.

Specifications

Raychem Specification RW 3009.
Material Safety Data Sheet available on request.
Installation instructions available on request.

Raychem and VERSAFIT are trademarks of Tyco Electronics Corporation.

All of the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.

Tyco/Electronics/Raychem
306 Constitution Drive
Menlo Park, CA 94025
U.S.A
Tel: (650)-361 3333

Tyco/Electronics/Raychem
Cheney Manor Industrial Estate
Swindon, Wiltshire SN2 2QE
UK
Tel: (44)-1793 573762

Tyco/Electronics/Raychem
3816 Noborito, Tama-ku
Kawasaki 214-8533
Japan
Tel: (81)-44 9005102

Tyco/Electronics/Raychem
No. 26 Ang Mo Kio Ind. Park
Singapore 569507
Tel: (65)-4866151