

- Operating temperature range
-40°C to +105°C
- Low smoke emission
- Shrink ratio 2:1

ZH-100

Heat-shrinkable low fire hazard
flexible tubing

Raychem

Raychem ZH-100 is a flexible thin walled, heat-shrinkable tubing. The material contains no added halogens, exhibits excellent fire safety characteristics combined with low evolution of acid

gases, whilst retaining good mechanical and fluid-resistant properties.

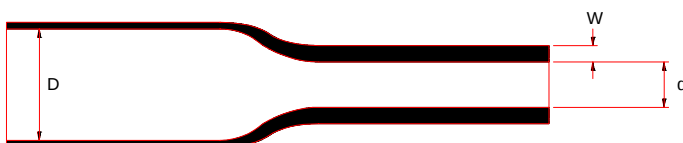
Uses include insulation and protection of cables, for lightweight harness jackets and electrical and electronic components used in enclosed spaces, such as marine,

mass transit systems and offshore installations, or where equipment would be irreparably damaged by corrosive products of combustion.

Temperature rating

Operating temperature range:	-40°C to +105°C
Minimum shrink temperature:	+80°C
Minimum full recovery temperature:	+120°C

Ordering information



Inside diameter		Wall thickness	Standard Package		
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Total wall recovered after heating	Spool quantit y	1.22m Length Quantity	Ordering description
mm	mm	mm	m	m	
3.2	1.6	0.50	150	60	ZH-100-1/8-colour code
4.8	2.4	0.50	150	60	ZH-100-3/16-colour code
6.4	3.2	0.65	75	30	ZH-100-1/4-colour code
9.5	4.8	0.65	75	30	ZH-100-3/8-colour code
12.7	6.4	0.65	75	30	ZH-100-1/2-colour code
19.0	9.5	0.75	75	30	ZH-100-3/4-colour code
25.4	12.7	0.90	30	30	ZH-100-1-colour code
38.0	19.0	1.00	30	-	ZH-100-1-1/2-colour code
51.0	25.4	1.15	30	-	ZH-100-2-colour code

The largest size which will recover snugly over the component to be covered should be ordered.

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

Other lengths and sizes are available subject to special order.

Standard colours

Colour	Black	White	Yellow	Blue	Green	Red
Code	0	9	4	6	5	2

ZH-100

Approvals

Flammability UL 224
BR 1326

Performance

Test	Test method	Test requirement
Oxygen Index:	ISO 4589 Part 2	32 (min)
Oxygen Index at elevated temperature	ISO 4589 Part 3	250 (min)
Smoke Index:	BS 3G 198-3 Annex B	20 (max)
Combustion products index:	BS 3G 198-3 Annex C	5 (max)
Acid gas generation:	IEC 754-2	pH 4.3 to 10.5 Conductivity 10 (max)
Flammability:	ASTM D876	Duration of burning 30 s (max)

For full product performance details consult Raychem Specification RW 2031.

Specifications

Raychem Specification RW 2031.
Material Safety Data Sheet available on request.
Installation instructions available on request.

Raychem and ZH-100 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