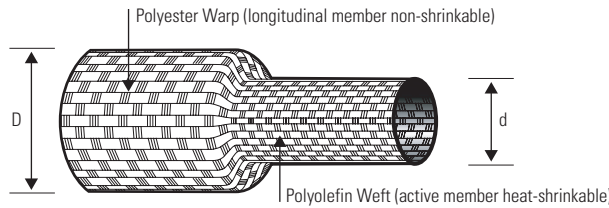


Heat-shrinkable fabric tubing



- Heat-shrinkable fabric tubing
- Highly flexible woven fabric tubing
- Polyethylene/polyester construction for excellent abrasion resistance
- Low shrink temperature
- Halogen free
- 2:1 shrink ratio

Raychem HFT5000 products are made of very flexible heat-shrinkable fabric material. Heated above 100°C, they shrink and fit snugly and securely around the underlying substrate. Designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles, they are also suitable for other applications, such as noise and rattle suppression.

Woven from heat-shrinkable circumferential polyolefin filaments and non-shrinking longitudinal polyester fibres, the product is halogen free. The woven construction makes HFT5000 extremely flexible and resistant to trapping water, heat and humidity. It provides outstanding abrasion, chafing and cutting protection, even at high temperatures. HFT5000 product is easy to install and can be cut with standard industrial cutting equipment.

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Ordering information

Standard sizes

Inside diameter (mm/in)

D (min.) Expanded as supplied	d (max.) Recovered after heating	Spool quantity (m/ft)	Product description
12 (0.47)	6 (0.24)	500 (1640)	HFT5000-12/6-0-SP
20 (0.79)	10 (0.39)	400 (1312)	HFT5000-20/10-0-SP
25 (0.98)	12 (0.47)	400 (1312)	HFT5000-25/12-0-SP
30 (1.18)	15 (0.59)	400 (1312)	HFT5000-30/15-0-SP
34 (1.34)	17 (0.67)	350 (1148)	HFT5000-34/17-0-SP
40 (1.57)	20 (0.79)	300 (984)	HFT5000-40/20-0-SP
50 (1.97)	25 (0.98)	200 (656)	HFT5000-50/25-0-SP
60 (2.36)	30 (1.18)	200 (656)	HFT5000-60/30-0-SP
70 (2.76)	35 (1.38)	150 (492)	HFT5000-70/35-0-SP
80 (3.15)	40 (1.57)	100 (328)	HFT5000-80/40-0-SP
100 (3.94)	50 (1.97)	100 (328)	HFT5000-100/50-0-SP

Standard colours

Colour	Black	Note: Fully recoverable fabric wall thickness: Approximately 1 mm (0.039in). Longitudinal change on full recovery is – 10% to -20% 0 = Black
Code	0	
Standard packaging	1 spool per box	

Performance

Test	Test method	Test requirement
Thermal ageing:	3000 hrs at 125°C	No deterioration in abrasion resistance at 80°C
	1000 hrs at 150°C	No deterioration in abrasion resistance at 80°C
Flammability:	MVSS302	Pass
Low temperature flexibility:	4 hours at -40°C, 10X diameter mandrel	No cracking
Cold impact:	200g weight from 100mm at -40°C	No cracking
Temperature/humidity cycling:	See RW2060 for details	No deterioration in abrasion resistance at 80°C
Thermal shock:	100 cycles between -40°C and 125°C	No deterioration in abrasion resistance at 80°C
Fluid resistance:	24 hr immersion at 23°C	No deterioration in abrasion resistance at 80°C
	Test fluids: (24hr immersion at 23°C)	Antifreeze (50% ethylene glycol) Engine oil (SAE 10W/30) Mineral hydraulic fluid Detergent (1% Teepol) Brake fluid (DOT 4) Unleaded gasoline Diesel fuel Battery acid (1.25 SG H ₂ SO ₄)

For full product performance details consult Raychem Specification RW 2060.

Specifications

Raychem Specification RW 2060.
Material Safety Data Sheet available on request.
Installation instructions available on request.

