

## PROTECTIVE SLEEVING

### HFT5000

#### Heat-shrinkable fabric tubing

#### Applications

HFT5000 is made from a very flexible heat-shrinkable fabric and at temperatures above +110°C shrinks to fit securely around a range of shapes and sizes. Designed to provide mechanical abrasion protection, noise and rattle suppression, for components such as rubber hoses, plastic pipes, and harness wiring bundles.

The woven construction makes HFT5000 extremely flexible and resistant to trapping water, heat and humidity. It also provides outstanding abrasion, chafing and cutting protection, even at high temperatures.

#### 4 Features & Benefits

- 2:1 shrink ratio for easy installation
- Highly flexible woven construction
- Outstanding abrasion resistance over a wide temperature range
- Resistance to harsh environments
- Easily cut with standard industrial cutting equipment
- Low shrink temperature for safe installation onto heat sensitive substrates
- Halogen free

#### Operating Temperature

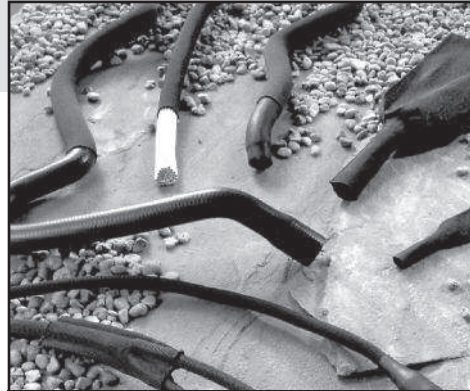
- -40°C to +125°C (3000 hours)
- -40°C to +150°C (1000 hours)
- Minimum recovery temperature +110°C
- Recommended recovery temperature +140°C to +190°C
- Maximum storage temperature +60°C

#### Specifications

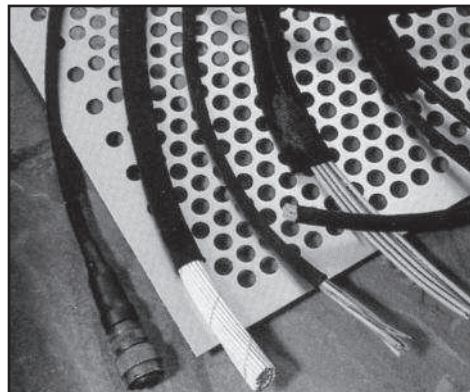
- RW2060

#### Materials Description

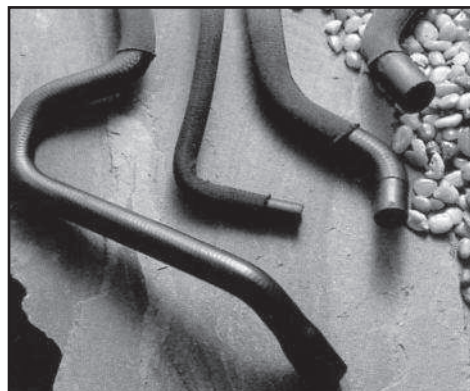
Warp material	Polyester
Weft material	Irradiated, modified polyolefin
Coating	Modified polyolefin



Woven fabric tubing with 2:1 shrink ratio



Heat-shrinkable material grips most substrates



The highly flexible woven construction allows easy installation onto awkward substrates

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### HFT5000

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#### Technical Characteristics

Property	Test	Result
Abrasion resistance (200g load, 0.3mm radius metal blade, 10Hz, 10mm stroke, 144 000 cycles)	+23°C	No wear to underlying rubber hose
	+80°C	No wear to underlying rubber hose
	+135°C	No wear to underlying rubber hose
Thermal aging	3,000 hrs at +125°C	No deterioration in abrasion resistance at +80°C
	1,000 hrs at +150°C	No deterioration in abrasion resistance at +80°C
Flammability	MVSS302	Pass
Low temperature flexibility	4 hrs at -40°C & +125°C	No cracking
Cold impact	200g weight from 100mm at -40°C	No cracking
	100 cycles between -40°C and +125°C	No deterioration in abrasion resistance at +80°C
Fluid resistance	24hrs immersion at +23°C	No deterioration in abrasion resistance at +80°C
	<ul style="list-style-type: none"> <li>• Antifreeze (50% ethylene glycol)</li> <li>• Engine oil (SAE 10w/30)</li> <li>• Mineral hydraulic fluid</li> <li>• Detergent (1% Teepol)</li> <li>• Brake fluid (DOT 4)</li> <li>• Unleaded gasoline</li> <li>• Diesel fuel</li> <li>• Battery acid (1.25 SG H<sub>2</sub>SO<sub>4</sub>)</li> </ul>	

Polyester warp  
(longitudinal member non heat-shrinkable)

Polyolefin weft  
(active member heat-shrinkable)

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#### Dimensions (all dimensions are in mm)

Description	Inside diameter as supplied (min)	Recovery after heating (max)	Standard Packaging (m)	Ordering Description
HFT5000-4/2	4	2	500	HFT5000-4/2-0-SP
HFT5000-6/3	6	3	500	HFT5000-6/3-0-SP
HFT5000-12/6	12	6	500	HFT5000-12/6-0-SP
HFT5000-20/10	20	10	400	HFT5000-20/10-0-SP
HFT5000-30/15	30	15	400	HFT5000-30/15-0-SP
HFT5000-40/20	40	20	300	HFT5000-40/20-0-SP
HFT5000-50/25	50	25	200	HFT5000-50/25-0-SP
HFT5000-60/30	60	30	200	HFT5000-60/30-0-SP
HFT5000-70/35	70	35	150	HFT5000-70/35-0-S

**Note:** The fully recovered wall thickness will be approximately 1mm and longitudinal shrinkage on full recovery is between 10% and 20%.

#### Ordering Information

Standard colour: 0 = Black.

Standard packaging: Spools (SP).

Ordering description: Specify product name, size and colour; HFT5000-20/10-0-SP Black.

Ordering Example: A black protective sleeve capable of covering a 8mm cable diameter is required = HFT5000-12/6-0-SP.