



## Feature:

- Environment friendly, flexible, highly flame retardant and polyolefin heat shrink tubing



## 3:1 Normal Wall Tubing: SHW-1-PT

## Specifications:

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| Maximum operating temperature | : -55°C to +125°C                                                                      |
| Minimum shrink temperature    | : 70°C                                                                                 |
| Shrink ratio                  | : 2:1                                                                                  |
| Approvals                     | : UL224, 125°C 600 V VW-1, CSA22.2 No.198.1 125°C 600 V, OFT                           |
| Standard colours              | : Black, red, blue, yellow, green, white (other colours are also available on request) |

## Application:

Cost effective choice for many applications, including all general purpose applications in the electronic and electromechanical industries e.g. light harnesses, bundling, colour coding, insulation of soldered or crimped connectors in electronic equipment, etc

## Technical Data

| Property                                                  | Test Method    | Typical Data         |
|-----------------------------------------------------------|----------------|----------------------|
| Tensile strength (psi)                                    | ASTM D 2671    | 14 MPa               |
| Ultimate elongation (%)                                   | ASTM D 2671    | 450                  |
| Longitudinal shrinkage (%)                                | UL 224         | ±5                   |
| Heat aging<br>Tensile strength<br>Ultimate elongation (%) | 158°C, 168 hrs | 11 MPa<br>300        |
| Flammability                                              | UL224 VW-1     | Pass                 |
| Heat shock (250°C, 4 hrs)                                 | ASTM D 2671    | No cracking          |
| Cold bend tests (-55°C, 4 hrs)                            |                |                      |
| Dielectric strength (kv/mm)                               | ASTM D 150     | 20                   |
| Volume resistivity (ohm-cm)                               | ASTM D 876     | 1 × 10 <sup>14</sup> |
| Copper stability                                          | UL224          | Pass                 |

# Flame Retardant Heatshrink



## Product Dimensions 3:1 Heat Shrink Tubing

| Size<br>(mm (Inches)) | ID as Supplied<br>(mm) | ID After Recovery<br>(mm) | Wall Thickness After<br>Recovery<br>(mm) | Part Number     |              |
|-----------------------|------------------------|---------------------------|------------------------------------------|-----------------|--------------|
|                       |                        |                           |                                          | (1.22 m Length) | (5 m Length) |
| 1.5/0.5 (1/16")       | > 1.5                  | < 0.5                     | 0.45 ±0.1                                | HS510-1.22M     | HS510-5M     |
| 3/1 (1/8")            | > 3                    | < 1                       | 0.55 ±0.1                                | HS511-1.22M     | HS511-5M     |
| 4.5/1.5 (3/16")       | > 4.5                  | < 1.5                     | 0.6 ±0.1                                 | HS512-1.22M     | HS512-5M     |
| 6/2 (1/4")            | > 6                    | < 2                       | 0.65 ±0.1                                | HS513-1.22M     | HS513-5M     |
| 9/3 (3/8")            | > 9                    | < 3                       | 0.75 ±0.15                               | HS514-1.22M     | HS514-5M     |
| 12/4 (1/2")           | > 12                   | < 4                       | 0.75 ±0.15                               | HS515-1.22M     | HS515-5M     |
| 18/6 (3/4")           | > 18                   | < 6                       | 0.85 ±0.15                               | HS516-1.22M     | HS516-5M     |
| 24/8 (1")             | > 24                   | < 8                       | 1 ±0.2                                   | HS517-1.22M     | HS517-5M     |
| 39/13 (1-1/2")        | > 39                   | < 13                      | 1.15 ±0.2                                | HS518-1.22M     | HS518-5M     |

Dimensions : Millimetres (Inches)

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