



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 Tensile strength Ultimate elongation (%)	158°C, 168 hrs	11 MPa 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 ¹⁴
Copper stability	UL224	Pass

Product Dimensions 3:1 Heat Shrink Tubing

Size (mm (Inches))	ID as Supplied (mm)	ID After Recovery (mm)	Wall Thickness After Recovery (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)

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2011.