

Adhesive Lined Heat Shrink Tubing **multicomp** PRO



Features:

- Semi-rigid, adhesive lined, polyolefin tubing
- 3:1 shrink ratio
- Splash-resistant, moisture-resistant covering
- Rugged protection against abrasion, vibration and flexing
- Excellent strain relief and insulation of weak points
- Operation temperature range : -55°C to 125°C

Dimension Table:

Size		As supplied (mm)			After Recovered (mm)			
Inch	mm	I.D.	Total Wall Thickness	O.D.	I.D.	Total Wall Thickness	Adhesive Thickness	O.D.
1/8	φ3.2	3.6 ±0.4	0.3 ±0.15	4.2 ±0.7	1 +0/-0.2	0.9 ±0.3	0.4 ±0.2	2.8 +0.6/-0.8
3/16	φ4.8	5.2 ±0.4	0.35 ±0.15	5.9 ±0.7	1.6 +0/-0.3	1.05 ±0.3	0.4 ±0.2	3.7 +0.6/-0.9
1/4	φ6.4	7 ±0.5	0.4 ±0.2	7.8 ±0.9	2.2 +0/-0.3	1.25 ±0.3	0.45 ±0.2	4.7 +0.6/-0.9
5/16	φ7.9	8.5 ±0.5	0.45 ±0.2	9.4 ±0.9	2.7 +0/-0.4	1.35 ±0.3	0.45 ±0.2	5.4 +0.6/-1
3/8	φ9.5	10 ±0.5	0.45 ±0.2	10.9 ±0.9	3.2 +0/-0.4	1.45 ±0.3	0.5 ±0.2	6.1 +0.6/-1
1/2	φ12.7	13.2 ±0.5	0.5 ±0.25	14.2 ±1	4.2 +0/-0.4	1.65 ±0.3	0.5 ±0.2	7.5 +0.6/-1
5/8	φ15	15.5 ±0.5	0.55 ±0.25	16.6 ±1	5.2 +0/-0.4	1.8 ±0.3	0.55 ±0.3	8.8 +0.6/-1
3/4	φ19.1	19.8 ±0.7	0.6 ±0.25	21 ±1.2	6.3 +0/-0.5	1.95 ±0.3	0.6 ±0.3	10.2 +0.6/-1.1

Dimensions : Millimetres

Product Properties:

Property (Units)	Test Method	Requirement
------------------	-------------	-------------

Physical

Tensile Strength (psi)	ASTM D638	1,500 min.
Elongation (%)	ASTM D638	300 min.
Cold Impact (-55°C)	ASTM D746	no cracking
Heat Shock (250°C, 4 hrs)	AMS-DTL-23053	no cracking
Secant Modulus (psi)	ASTM D882	25,000 max.
Longitudinal Change (%)	AMS-DTL-23053	±5

Electrical

Dielectric Strength (Volts / mm)	ASTM D876	1,500 min.
Volume Resistivity (Ω-cm)	ASTM D876	1 × 10 ¹⁴

Chemical

Corrosion	UL224	no corrosion
Water Absorption (%)	ASTM D570	2 max.
Fluid Resistance (23°C, 24 hrs)	-	Good
Flammability	UL224	Pass

Part Number Table

Description	Part Number
Adhesive Lined Heat Shrink Tubing, 3:1, 1/8", 3.2mm, Black, 10m	HS114
Adhesive Lined Heat Shrink Tubing, 3:1, 1/8", 3.2mm, Black, 200m	HS114-200
Adhesive Lined Heat Shrink Tubing, 3:1, 3/16", 4.8mm, Black, 10m	HS115
Adhesive Lined Heat Shrink Tubing, 3:1, 3/16", 4.8mm, Black, 100m	HS115-100
Adhesive Lined Heat Shrink Tubing, 3:1, 1/4", 6.4mm, Black, 10m	HS116
Adhesive Lined Heat Shrink Tubing, 3:1, 1/4", 6.4mm, Black, 100m	HS116-100
Adhesive Lined Heat Shrink Tubing, 3:1, 5/16", 7.9mm, Black, 10m	HS117
Adhesive Lined Heat Shrink Tubing, 3:1, 5/16", 7.9mm, Black, 100m	HS117-100
Adhesive Lined Heat Shrink Tubing, 3:1, 3/8", 9.5mm, Black, 10m	HS118
Adhesive Lined Heat Shrink Tubing, 3:1, 3/8", 9.5mm, Black, 50m	HS118-50
Adhesive Lined Heat Shrink Tubing, 3:1, 1/2", 12.7mm, Black, 10m	HS119
Adhesive Lined Heat Shrink Tubing, 3:1, 1/2", 12.7mm, Black, 25m	HS119-25
Adhesive Lined Heat Shrink Tubing, 3:1, 5/8", 15mm, Black, 10m	HS120
Adhesive Lined Heat Shrink Tubing, 3:1, 5/8", 15mm, Black, 25m	HS120-25
Adhesive Lined Heat Shrink Tubing, 3:1, 3/4", 19.1mm, Black, 10m	HS121
Adhesive Lined Heat Shrink Tubing, 3:1, 3/4", 19.1mm, Black, 25m	HS121-25

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET 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. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.