

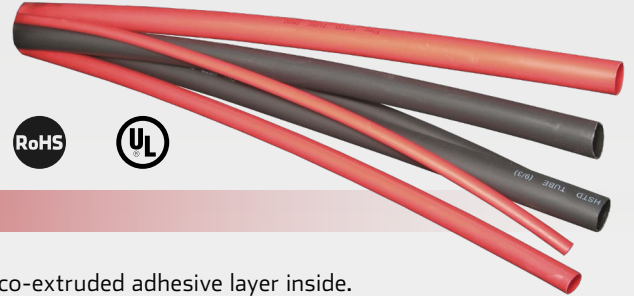
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Dual Wall Glued
Heatshrink 3:1 Ratio

#HSD



DESCRIPTION

Dual wall heat shrink is a general purpose heatshrink tubing which has a co-extruded adhesive layer inside. Its primary function is to provide environmental protection to cable joints while remaining flexible. This tubing is 3:1 in shrink ratio thus requiring fewer sizes to cover your cable range. Dual wall heatshrink conforms to military specifications.

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Material	• Polyolefin and Hot-melt Adhesive
Temperature Range	• -45°C to 125°C
Shrink Temperature	• 125°C

ELECTRICAL RESISTANCE

Dielectric Strength	• IEC243: $\geq 15\text{kV/mm}$
Volume Resistance	• ASTM D876: $\geq 1 \times 10^{14} \text{ Ohm/cm}$

HOT-MELT ADHESIVE SPECIFICATIONS

Water Absorption	• ASTM D570: $< 0.5\%$
Softening Point	• ASTM E28: $90 \pm 5^\circ\text{C}$
Strength of Pairing (PE)	• ASTM D 1000: 80N/25mm
Strength of Pairing (AL)	• ASTM D 1000: 120N/25mm

PHYSICAL RESISTANCE

Tensile Strength	• ASTM D2671: $\geq 10.4\text{MPa}$
Elongation %	• ASTM D2671: $\geq 300\%$
Tensile Strength (After Aging)	• UL224 158°C x 168hr: $\geq 7.3\text{MPa}$
Elongation % (After Aging)	• UL224 158°C x 168hr: $\geq 200\%$
Flammability (Outer Jacket)	• ASTM D2671B Self-Extinguishing

PART NUMBERS

Black Part No.	Red Part No.	Length	As Supplied		After Recovered	
			I.D	I.D	Wall Thickness	Adhesive Thickness
HSD3	HSD3RD	• 1m	• 3.2mm	• 1.0mm	• 0.95 +/- 0.15mm	• 0.40 +/- 0.10mm
HSD6	HSD6RD		• 6.4mm	• 2.2mm	• 1.20 +/- 0.15mm	• 0.45 +/- 0.12mm
HSD10	HSD10RD		• 9.5mm	• 3.2mm	• 1.45 +/- 0.20mm	• 0.50 +/- 0.12mm
HSD12	HSD12RD		• 12.7mm	• 4.2mm	• 1.70 +/- 0.20mm	• 0.50 +/- 0.12mm
HSD19	HSD19RD		• 19.1mm	• 6.3mm	• 2.00 +/- 0.20mm	• 0.55 +/- 0.15mm
HSD24	HSD24RD		• 25.4mm	• 8.5mm	• 2.10 +/- 0.25mm	• 0.55 +/- 0.15mm
HSD40	HSD40RD		• 39mm	• 13.5mm	• 2.40 +/- 0.25mm	• 0.60 +/- 0.15mm