

GSHS – 4635WS

4:1 SHRINK RATIO, SEMI-RIGID, DUAL-WALL, POLYOLEFIN TUBING

Applications

GSHS-4635WS is a semi-rigid, high shrink ratio, flame retardant, heat resistant, mechanically tough heat shrinkable polyolefin tube with a meltable adhesive which flows when heated. It may be used to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

Features

- ★ Shrink ratio: 75% or more in the radial direction, 10% or less in the axial direction
- ★ Continuous operating temperature: - 55°C to 130°C
- ★ UL recognized (UL file number E153276)
- ★ Flammability: UL VW-1, CSA OFT (Jacket only, except clear)
- ★ Excellent electrical properties
- ★ High resistance to chemicals and oils

Standard

- ★ LG Cable
- ★ RoHS Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D 2671	Min. 1.4 kgf/mm ² (2,000 psi)
		Elongation		Min. 250%
	Aged	Tensile strength	ASTM D 2671, UL 224	Min. 75% of the value of unaged specimens
		Elongation	136°C/168 hrs	Min. 100%
	Water absorption		ASTM D 570	Max. 0.5%
	Longitudinal shrinkage		ASTM D 2671	0 ~ -10%
	Cold bend		-55°C/ 4 hour	No crack
Secant modulus		ASTM D 2671	Max. 17.59 kgf/mm ² (25,000 psi)	
Electrical	Dielectric strength		24°C/ 24 hrs	Min. 15.8kV/mm
	Volume resistivity		ASTM D 257	Min. 10 ¹⁴ Ω - cm
Chemical	Copper corrosion		150°C/16 hrs	No corrosion
	Fungus resistance		ASTM G 21	No growth
	Flammability		UL VW-1	Pass - jacket only

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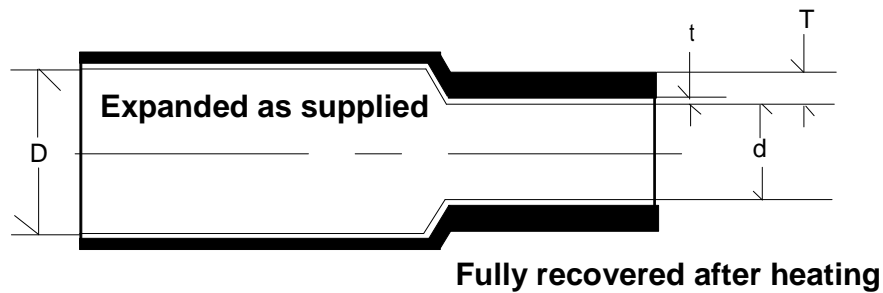
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Heat Shrinkable Tubing

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Product Dimensions

Minimum Shrink Temperature: 130°C

Size	Printed	Expanded		Recovered					
		Internal Diameter (min.) (D)		Internal Diameter (max.) (d)		Total Wall Thickness (Nominal) (T)		Wall Thickness Adhesive Wall (Nominal) (t)	
		In.	mm	In.	mm	In.	mm	In.	mm
6 mm (No. 1)	DW-1	0.248	6.3	0.050	1.27	0.047	1.20	0.022	0.56
8 mm (No. 2)	DW-2	0.322	8.2	0.065	1.65	0.047	1.20	0.030	0.76
11 mm (No. 3)	DW-3	0.444	11.3	0.095	2.41	0.075	1.90	0.040	1.02
18 mm (No. 4)	DW-4	0.712	18.1	0.175	4.45	0.094	2.40	0.051	1.30

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