

# GSHS – 3635W

3:1 SHRINK RATIO, DUAL-WALL, FLAME RETARDANT, POLYOLEFIN TUBING

## Applications

GSHS-3635W is a flexible, high shrink ratio, flame retardant heat shrinkable polyolefin tube with a meltable adhesive which flows when heated. It is needed to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

## Features

- ★ In stock for immediate shipments
- ★ Shrink ratio: 66% or more in the radial direction, 10% or less in the axial direction
- ★ Continuous operating temperature: - 55°C to 135°C
- ★ Flammability: UL VW-1, CSA OFT (Jacket only)
- ★ Excellent electrical properties
- ★ High resistance to chemicals and oils

## Standard

- ★ MIL-DTL-23053/4 Class 3

## Specification Values

Property		Test Method	Value
Physical	Unaged	Tensile strength	Min. 1.06 kgf/mm <sup>2</sup>
		Elongation	Min. 200%
	Aged	Tensile strength	Min. 75% of the value of unaged specimens
		Elongation	Min. 100%
	Deformation	158°C/1 hr	Max. 50%
	Heat shock	250°C/4 hrs	No crack
	Cold bend	- 55°C/4 hrs	No crack
	Flexibility	158°C/168 hrs	No crack
	Secant Modulus	-	Max. 17.64 kgf/mm <sup>2</sup>
Electrical	Dielectric strength	-	Min. 2.5kV/1 minute
	Volume resistivity	-	Min. 10 <sup>14</sup> Ω - cm
Chemical	Copper corrosion	158°C/168 hrs	No corrosion
	Copper stability	158°C/168 hrs	No sign of degradation
	Flammability	VW-1	Pass

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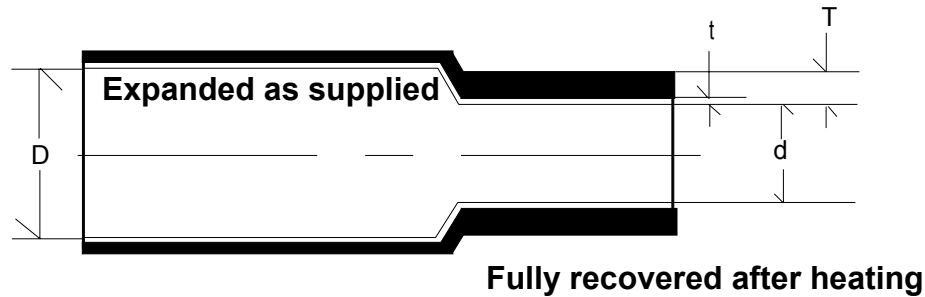


**Dunbar Associates**  
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## Product Dimensions

Minimum Shrink Temperature: 90°C

Size	Expanded		Recovered						Standard Length
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Minimum Total Wall Thickness (Total Wall) (T)		Minimum Wall Thickness (Adhesive Wall) (t)		
Inch Size	In.	mm	In.	mm	In.	mm	In.	mm	Ft.
1/8"	0.120	3.0	0.040	1.0	0.040	1.0	0.013	0.34	4
3/16"	0.180	4.5	0.060	1.5	0.040	1.0	0.017	0.43	4
1/4"	0.240	6.0	0.080	2.0	0.040	1.0	0.020	0.50	4
3/8"	0.360	9.0	0.120	3.0	0.050	1.2	0.022	0.56	4
1/2"	0.470	12.0	0.160	4.0	0.060	1.4	0.027	0.68	4
3/4"	0.750	19.0	0.240	6.0	0.080	2.0	0.037	0.93	4
1"	0.940	24.0	0.320	8.0	0.087	2.2	0.037	0.93	4
1-1/2"	1.570	38.0	0.440	13.0	0.090	2.3	0.037	0.93	4
2"	1.969	50.0	0.669	17.0	0.100	2.5			4
3"	2.953	75.0	0.984	25.0	0.100	2.5			4
4"	3.937	100.0	1.338	34.0	0.100	2.5			4

\*Metric sizes available for special orders.

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