

## GSHS-3635

### 3:1 SHRINK RATIO, FLEXIBLE, FLAME RETARDANT, POLYOLEFIN TUBING

#### Applications

GSHS-3635 is a flexible, high shrink ratio, flame retardant, heat resistant, heat shrinkable polyolefin tube. It may be used to cover large size differences such as wiring harnesses and connectors. Also, it is ideal for light-duty harnesses, jacketing, and identification of wires, cables, and electrical and electronic components.

#### Features

- ★ Shrink ratio: 67% or more in the radial direction, 50% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 55°C (-67°F) to 135°C (275°F)
- ★ Flammability: UL VW-1, CSA OFT, -F-MARK (except clear)
- ★ High resistance to abrasion, chemicals and oils

#### Standard

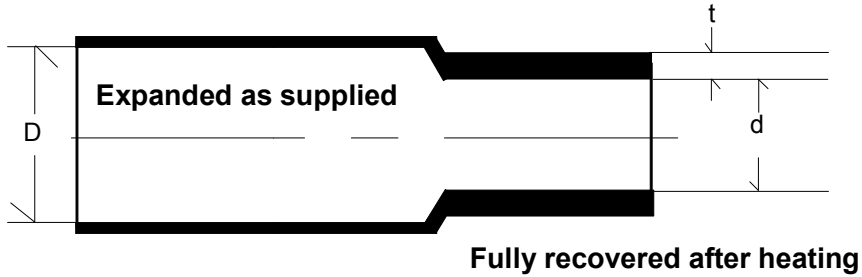
- ★ AMS-DTL-23053/5 Class 1, Class 2 is Clear (Formerly MIL-DTL-23053/5 Class 1 & 2)
- ★ UL 224 (File Number: E319303)
- ★ RoHS Compliant

#### Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D638	Min. 1,500 psi
		Elongation		Min. 200%
	Aged	Elongation	ASTM D638	Min. 100%
	Fluid Resist.	Tensile strength	24°C/24 hrs	Min. 1,000 psi
		Dielectric strength	6 Fluids	Min. 400 Volts/mil
	Concentricity		ASTM D2671	Min. 50%
	Heat shock		250°C/4 hrs	No cracks, flowing or dripping
	Low temperature flexibility		- 55°C/4 hrs	No cracking
	Secant modulus		ASTM D882	Max. 25,000 psi
Specific gravity		ASTM D792	Max. 1.35 (Max. 1.00 Clear)	
Electrical	Dielectric strength		ASTM D2671	Min. 500 Volts/mil
	Volume resistivity		ASTM D876	Min. 10 <sup>14</sup> Ω - cm
Chemical	Copper corrosion		175°C/16 hrs	No corrosion
	Fungus resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%
	Flammability		ASTM D2671	Pass

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### Product Dimensions

Minimum Shrink Temperature: 90°C

Size	Expanded		Recovered			
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Minimum Total Wall Thickness (t)	
Metric (Inch)	In.	mm	In.	mm	In.	mm
1.5mm (1/16")	0.059	1.5	0.020	0.5	0.016	0.40
3mm (1/8")	0.118	3.0	0.039	1.0	0.012	0.50
4.5mm (3/16")	0.177	4.5	0.059	1.5	0.021	0.54
6mm (1/4")	0.235	6.0	0.078	2.0	0.023	0.59
9mm (3/8")	0.354	9.0	0.118	3.0	0.027	0.68
12mm (1/2")	0.472	12.0	0.157	4.0	0.027	0.68
18mm (3/4")	0.708	18.8	0.236	6.0	0.030	0.77
24mm (1")	0.945	24.0	0.315	8.0	0.035	0.90
38mm (1-1/2")	1.496	38.0	0.512	13.0	0.041	1.04
50mm (2")	1.969	50.0	0.656	16.7	0.044	1.25