

Fluoropolymer heat-shrink tubing

## FITCOTUBE® FT230

Highly flexible, solvent-resistant fluoropolymer-heat shrink tube. For applications that require a high temperature resistance or chemical resistance and also require a low shrinkage temperature.

**Operating temperature:** - 55°C to + 230°C (black sleeves only)

**Shrink temperature:** + 130°

**Shrink ratio:** 2 : 1

**Standard colors:** Black

**Specifications/approvals:** Mil Spec. M23053/13\*\*



Description	Inner diameter (mm)		Wall thickness (mm)	
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)	after full recovery <b>thin-walled model*</b>
FT230	3.20	1.60	0.65 – 0.95	0.23 – 0.31
FT230	4.80	2.40	0.75 – 1.05	0.23 – 0.31
FT230	6.40	3.20	0.72 – 1.08	0.28 – 0.38
FT230	9.50	4.80	0.72 – 1.08	0.28 – 0.38
FT230	12.70	6.40	0.72 – 1.08	0.28 – 0.38
FT230	19.10	9.50	0.90 – 1.30	0.36 – 0.50
FT230	25.40	12.70	0.92 -1.48	0.41 – 0.55

\*if you would like to order a thin-walled model, please mention **FT230(TW)**.

\*\*for thin walled model the valid Mil Spec is M23053/18.

**Packaging:** On Spools.  
Special sizes on request.  
Cut and printed lengths on request.

**Processing note:** Care for clean and accurate cutting edge.  
Start shrinkage on the end.  
Pre-heat metal body.

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Attributes	Testing	Value
<b>Physical</b>		
Tensile strength	SAE-AMS-DTL-23053	≥ 14 MPa
Ultimate Elongation	SAE-AMS-DTL-23053	≥ 400 %
Longitudinal Change	SAE-AMS-DTL-23053	- 5 %
Water absorption (23°C x 24h)	SAE-AMS-DTL-23053	pass (max 0.1 %)
Elongation after heat ageing (250°C x 168h)	SAE-AMS-DTL-23053	≥ 300 %
Low tempriture flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	pass
Copper Corrosion (175°C x 16h)	SAE-AMS-DTL-23053	pass
<b>Electrical</b>		
Volume resistivity	SAE-AMS-DTL-23053	≥ 10 <sup>14</sup> Ω/cm
Dielectric strength	SAE-AMS-DTL-23053	15 kV/mm
<b>Chemical</b>		
Flammability	UL 224	pass
Water absorption (23°C x 24h)	SAE-AMS-DTL-23053	pass
Liquid resistance (24°C x 24h)	SAE-AMS-DTL-23053	pass
Vacuum emission	NASA SP-R-0022	pass