



A division of CSA Technical Solutions, LLC  
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[www.BuyHeatShrink.com](http://www.BuyHeatShrink.com)

## Canusa CPX 100 Heat Shrink Tubing

### Features:

- 2:1 Shrink Ratio (shrinks to ½ its original diameter)
- Meets requirements of SAE AMS-DTL-23053/5 (formerly MIL-I-23053/5, MIL-DTL-23053/5), Classes 1, 2 (Clear), and 3
- UL 224 VW-1 and CSA OFT recognized
- Maximum Continuous use temperature 135°C
- Shrink Temperature of 120°C and operating temperature of -55°C to + 135°C
- Crosses to : Sumitomo B2, Raychem RNF-100, Alpha FIT-221, 3M FP-301, LG GSHS-1635F
- Typical applications include: Insulation, Wire Identification, Wire Bundling, Mechanical Protection, Color Coding, Lightweight Harnessing, Physical/Electrical Protection of Components, Strain Relief, and Solder Insulation.

### Dimensions

Part Number	MFR Part Number	Mil Specification	Diameter	Flat Width	ID after shrinking
HS-CPX100-0063	CPX-100-0063	AMS-DTL-23053/5-102	1/16"	1/8"	0.031"
HS-CPX100-0094	CPX-100-0094	AMS-DTL-23053/5-103	3/32"	1/8"	0.047"
HS-CPX100-0125	CPX-100-0125	AMS-DTL-23053/5-104	1/8"	3/16"	0.063"
HS-CPX100-025	CPX-100-0250	AMS-DTL-23053/5-106	1/4"	3/8"	0.125"
HS-CPX100-0375	CPX-100-0375	AMS-DTL-23053/5-107	3/8"	9/16"	0.188"
HS-CPX100-050	CPX-100-0500	AMS-DTL-23053/5-108	1/2"	13/16"	0.250"
HS-CPX100-075	CPX-100-0750	AMS-DTL-23053/5-109	3/4"	1-3/16"	0.375"
HS-CPX100-150	CPX-100-1500	AMS-DTL-23053/5-111	1.5"	2-3/8"	0.750"
HS-CPX100-200	CPX-100-2000	AMS-DTL-23053/5-112	2"	3-1/8"	1.00"

### Tech Data

Property	Test Method	Typical Performance
<b>Physical</b>		
Tensile Strength	ASTM D2671, ISO 37	2,200 psi (15.0 MPa)
Elongation	ASTM D2671, ISO 37	400%
Longitudinal Change	ASTM D2671	±5%
2% Secant Modulus	ASTM D2671	16,000 psi (110MPa)
Specific Gravity	ASTM D792, ISO R1183	1.3 (colors), 0.95 (clear)

Restricted Shrinkage	ASTM D2671	No cracking
Elongation after Heat Aging (168 hrs at 175°C)	ASTM D2671	350%
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4 hrs at -55°C)	ASTM D2671	No cracking or flowing
Flammability	ASTM D2671, Proc. B	Flame retardant (except clear)
<b>Electrical</b>		
Dielectric Strength	ASTM D2671, IEC 243	600 V/mil (24 kV/mm)
Volume Resistivity	ASTM D2671	1016 ohm-cm
<b>Chemical</b>		
Fluid Resistance	MIL-DTL-23053/5, ISO 1817 and 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No growth