



A division of CSA Technical Solutions, LLC  
**1959 Hammondville Road, Pompano Beach, FL 33069**  
**Phone 954-978-0056 Fax 888-617-2010**  
[www.BuyHeatShrink.com](http://www.BuyHeatShrink.com)

## 3M FP301 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
- 12 standard colors: Black, Clear, Red, White, Blue, Yellow, Brown, Gray, Orange, Green, Violet and Yellow/Green
- Shrink Temperature of 120°C and operating temperature of -55°C to + 135°C
- Crosses to : Sumitomo B2, Raychem RNF-100, Alpha FIT-221, Canusa CPX-100, 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	Diameter	Mil Specification	Flat width	ID After Shrinking
HS-FP301-0063	1/16"	AMS-DTL-23053/5-102	1/8"	0.031"
HS-FP301-0094	3/32"	AMS-DTL-23053/5-103	1/8"	0.047"
HS-FP301-0125	1/8"	AMS-DTL-23053/5-104	3/16"	0.063"
HS-FP301-0188	3/16"	AMS-DTL-23053/5-104	5/16"	0.094"
HS-FP301-025	1/4"	AMS-DTL-23053/5-106	3/8"	0.125"
HS-FP301-0375	3/8"	AMS-DTL-23053/5-107	9/16"	0.188"
HS-FP301-050	1/2"	AMS-DTL-23053/5-108	13/16"	0.250"
HS-FP301-075	3/4"	AMS-DTL-23053/5-109	1-3/16"	0.375"
HS-FP301-100	1"	AMS-DTL-23053/5-110	1-9/16"	0.500"
HS-FP301-150	1-1/2"	AMS-DTL-23053/5-111	2-3/8"	0.750"
HS-FP301-200	2"	AMS-DTL-23053/5-112	3-1/8"	1.00"
HS-FP301-300	3"	AMS-DTL-23053/5-113	4-3/4"	1.50"
HS-FP301-400	4"	AMS-DTL-23053/5-114	6-5/16"	2.00"