



REVISIONS

DOC. NO. SPC-F004 \* Effective: 7/8/02 \* DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1188	D	UPDATED TO TABULAR SPEC	HYO	10/3/01	JC	10/4/01	JC	10/4/01
1896	E	Update To RoHS Compliant	EO	3/27/06	HO	3/28/06	HO	3/28/06



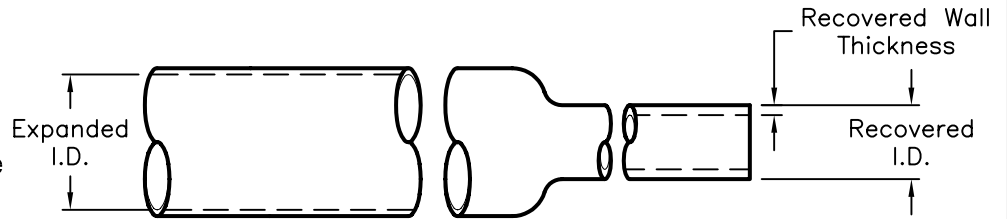
**TTS Series:**

Is a single thin wall heat shrinkable PTFE Tubing. Upon the application of heat in excess of 350°C the tubing shrinks and conforms to the geometry of the part to be covered. Stiffness, combined with chemical inertness, makes it an excellent strain relief for high temperature electrical connections with contaminated environments.

Dimensions				Standard Packages					
Size (AWG)	Inside Diameter		Recovered Nominal Wall Thickness (Inches)	2 Foot Lengths			6 Inch Lengths		
	Expanded I.D. (Min) (Inches)	Recovered I.D. (Max) (Inches)		SPC Type No.	Pcs.	Total Footage (Feet)	SPC Type No.	Pcs.	Total Footage (Feet)
16	0.093	0.061	0.012 ± 0.003	TTS-S16-2050-NAT	50	100	TTS-S16-6016-NAT	16	8
14	0.120	0.072	0.012 ± 0.003	TTS-S14-2050-NAT	50	100	TTS-S14-6014-NAT	14	7
12	0.150	0.089	0.012 ± 0.003	TTS-S12-2025-NAT	25	50	TTS-S12-6014-NAT	14	7
10	0.191	0.112	0.012 ± 0.003	TTS-S10-2025-NAT	25	50	TTS-S10-6012-NAT	12	6
8	0.240	0.141	0.015 ± 0.004	TTS-S08-2025-NAT	25	50	TTS-S08-6010-NAT	10	5
6	0.302	0.178	0.015 ± 0.004	TTS-S06-2010-NAT	10	20	TTS-S06-6008-NAT	8	4
4	0.370	0.224	0.015 ± 0.004	TTS-S04-2010-NAT	10	20	TTS-S04-6006-NAT	6	3
2	0.430	0.278	0.015 ± 0.004	TTS-S02-2010-NAT	10	20	TTS-S02-6004-NAT	4	2
0	0.470	0.347	0.015 ± 0.004	TTS-S00-2010-NAT	10	20	TTS-S00-6003-NAT	3	1.5

**SPECIFICATIONS:**

1. Color: Translucent to opaque white
2. Shrink Diametrical: 2:1
3. Shrinkage Longitudinal: ± 20%
4. Dielectric Strength: >1400 V/MIL
5. Dielectric Constant: 2.2 @ 100 Hz ~ 60 MHz
6. Volume resistivity: >10 Ω<sup>18</sup> CM Minimum
7. Tensile Strength: 2000 PSI min.
8. Specific Gravity: 2.13 ~ 2.20 g/cm<sup>2</sup>
9. Minimum Shrink Temperature: 662°F (350°C)
10. Operating Temperature: -100°F (-75°C) ~ 500°F (260°C)
11. Applicable Specifications: AMS-DTL-23053/12, ASTM D 2902, Type I
12. Water Absorption: ≤ 0.01%
13. Flammability: Resin UL94 V-0
14. Flexibility: 2 (Material is rated on scale of 1 ~ 10 for Flexibility: 1= Most Flexible and 10 = Most Rigid)
15. Excellent fungus, oil, acid, and solvent resistance



SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	DANIEL CAREY	4/30/97	TEFLON HEAT SHRINK TUBING, THIN WALL			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JOHN COLE	5/14/97	A	TA-424	TA-424.DWG	E
	APPROVED BY:	DATE:	SCALE: NTS		SHEET: 1 OF 1	
	BRETT BRAATZ	5/16/97	U.O.M.: INCHES			

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