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### DUAL WALL VARIOUS SHRINK RATIOS

#### Product Description

Dual wall, semi-rigid or flexible or flexible polyolefin heat shrinkable tubing which meets all the requirements of Military Specification MIL-I-23053/5 Class I, II, and III, or UL standards.

#### DUAL WALL SEMI-RIGID POLYOLEFIN

##### CLASS I

- MIL23053/4
- Shrink ratio approx. 3:1
- Shrink temp: 130°C
- Operating temp: -55°C to + 110°C
- Semi-rigid, dual wall with flexible inner wall
- Provides good strain relief because it does not adhere to connections or wire harnesses. May be removed for repair of components

**Standard Color:** Black

##### Part No. Prefix:

Change SA to SL: MIL SPEC 4 ft. lengths  
 Change SA to PL: UL, CSA, 4 ft. lengths

ABLE Part No. Nominal Size	Minimum I.D. As Supplied		Maximum I.D. after shrinking		Nominal Wall Thickness after shrinking		MIL Spec M25053/4		
	IN.	MM.	IN.	MM.	IN.	MM.	Class I	Spool Size (feet)	
SL300-1/8	0.125	3.20	0.023	0.60	0.038	0.97	101	4	
SL300-3/16	0.187	4.80	0.060	1.50	0.043	1.10	102	4	
SL300-1/4	0.250	6.40	0.080	2.00	0.047	1.20	103	4	
SL300-3/8	0.375	9.50	0.135	3.40	0.050	1.27	104	4	
SL300-1/2	0.500	12.70	0.195	5.00	0.055	1.40	105	4	
SL300-3/4	0.750	19.10	0.313	8.00	0.065	1.65	106	4	
SL300-1	1.000	25.40	0.400	10.20	0.075	1.91	107	4	

**DUAL WALL SEMI-RIGID POLYOLEFIN**

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	IN.	MM.	IN.	MM.	IN.	MM.	Class I	Spool Size (feet)
SL300-1/8	0.125	3.20	0.023	0.60	0.038	0.97	101	4
SL300-3/16	0.187	4.80	0.060	1.50	0.043	1.10	102	4
SL300-1/4	0.250	6.40	0.080	2.00	0.047	1.20	103	4
SL300-3/8	0.375	9.50	0.135	3.40	0.050	1.27	104	4
SL300-1/2	0.500	12.70	0.195	5.00	0.055	1.40	105	4
SL300-3/4	0.750	19.10	0.313	8.00	0.065	1.65	106	4
SL300-1	1.000	25.40	0.400	10.20	0.075	1.91	107	4

**CLASS I**

- MIL23053/4
- Shrink ratio approx. 3:1
- Shrink temp: 130°C
- Operating temp: -55°C to + 110°C
- Semi-rigid, dual wall with flexible inner wall
- Provides good strain relief because it does not adhere to connections or wire harnesses. May be removed for repair of components

Standard Color: Black

**DUAL WALL FLEXIBLE POLYOLEFIN**

**CLASS II/UL**

- MIL23053/4
- Shrink ratio approx. 2:1
- UL Subject 224 1O5 C 600 V
- Shrink temp: 110C
- Operating temp: -55 Cto +110 C
- Flexible, flame retardant with modified polyamide adhesive inner wall
- Excellent for applications in environmental conditions which require sealing against moisture, water or other contaminants

Standard Color: Black

ABLE Part No. Nominal Size	Minimum I.D. As Supplied		Maximum I.D. after shrinking		Nominal Wall Thickness after shrinking		MIL Spec M25053/4	
	IN.	MM.	IN.	MM.	IN.	MM.	Class II	Spool Size (feet)
SA310-1/8	0.125	3.2	0.063	1.6	0.026	0.70	‡	4
SA310-3/16	0.173	4.4	0.095	0.2	0.026	0.70	‡	4
SA310-1/4	0.236	6.0	0.125	3.2	0.030	0.75	201	4
SA310-3/8	0.375	9.5	0.187	4.8	0.030	0.75	202	4
SA310-1/2	0.472	12.0	0.250	6.4	0.030	0.75	203	4
SA310-3/4	0.709	18.0	0.375	9.5	0.035	0.90	204	4
SA310-1	0.945	24.0	0.500	12.7	0.042	1.10	205	4
PL310 marked with UL recognized markings ‡ Not standard color								

**CLASS III**

- MIL23053/4
- UL Subject 224 105°C, 600V
- Shrink ratio approx. 3:1
- Shrink temp: 110°C
- Operating temp -55°C to +110°C
- Thick wall adhesive
- Polyamide adhesive inner wall
- cable and wire harnesses and for protection of connector components

**Standard Color:** Black

ABLE Part No. Nominal Size	Minimum I.D. As Supplied		Maximum I.D. after shrinking		Nominal Wall Thickness after shrinking		MIL Spec M25053/4	
	IN.	MM.	IN.	MM.	IN.	MM.	Class III	Spool Size (feet)
SA321-1/8	0.125	3.20	0.032	0.60	0.038	0.96	301	4
SA321-3/16	0.187	4.80	0.059	1.50	0.043	1.09	‡	4
SA321-1/4	0.250	6.40	0.078	2.00	0.047	1.19	302	4
SA321-3/8	0.375	9.50	0.118	3.00	0.050	1.27	‡	4
SA321-1/2	0.500	12.70	0.157	4.00	0.055	1.39	303	4
SA321-3/4	0.750	19.10	0.315	8.00	0.065	1.65	‡	4
SA321-1	1.00	25.40	0.400	10.20	0.075	1.90	304	4
PL321 marked with UL recognized markings ‡ Not standard color								

