

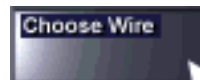
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General Purpose Heat Shrinkable Tubing

FLEXIBLE IRRADIATED POLYOLEFIN (2:1)

*MIL-DTL-23053/5, CLASS 1 & 2

*UL STANDARD 224, CSA STANDARD OFT, VW-1

DESCRIPTION

• Construction: Dearborn ST-221 is a flexible, flame-retardant, thermally-stabilized irradiated polyolefin tubing which shrinks 50%.

CHARACTERISTICS

- Voltage Rating: 600 Volts (per UL @ 125C).
- Operating Temp. Range: -55C to +135C.
- Shrink Temp.: 121C.
- Shrink Ratio: 2:1.

FEATURES & APPLICATIONS

- Recommended for use in general purpose applications such as wire marking, identification, color coding and electrical insulation of light wire harness assemblies.
- Suitable for military, industrial and commercial use. *Excellent chemical and solvent resistance.

APPROVALS

- MIL-DTL-23053/5, Class 1 (Colors). MIL-DTL-23053/5, Class 2 (Clear only). UL Standard 224 (Colors). CSA Standard OFT (Colors). Passes VW-1 Vertical Flame Test (Colors). AMS 3636B (Colors). AMS 3637B (Clear).

	Part Number	Minimum I.D. Before Shrinking in. mm	Recovered I.D. After Shrinking in. mm	Nom. Recovered Wall Thickness in. mm	Spools
	ST-221-3/64	.046 1.17	.023 0.58	.016 0.41	100, 1000
	ST-221-1/16	.063 1.57	.031 0.79	.017 0.43	100, 1000
	ST-221-3/32	.093 2.36	.046 1.17	.020 0.50	100, 1000

	ST-221-1/8	.125 3.17	.063 1.57	.020 0.50	100, 1000
	ST-221-3/16	.187 4.74	.093 2.36	.020 0.50	100, 1000
	Part Number	Minimum I.D. Before Shrinking in. mm	Recovered I.D. After Shrinking in. mm	Nom. Recovered Wall Thickness in. mm	Spools
	ST-221-1/4	.250 6.35	.125 3.17	.025 0.63	100, 1000
	ST-221-3/8	.375 9.50	1.87 4.74	.025 0.63	100, 1000
	ST-221-1/2	.500 12.70	.250 6.35	.025 0.63	200
	ST-221-3/4	.750 19.05	.375 9.50	.030 0.76	200
	ST-221-1	1.00 25.40	.500 12.70	.035 0.88	200
	Part Number	Minimum I.D. Before Shrinking in. mm	Recovered I.D. After Shrinking in. mm	Nom. Recovered Wall Thickness in. mm	Spools
	ST-221-1-1/2	1.50 38.10	.750 19.05	.040 1.02	100
	ST-221-2	2.00 50.80	1.00 25.40	.045 1.14	100
	ST-221-3	3.00 76.20	1.50 38.10	.050 1.27	100
	ST-221-4	4.00 101.6	2.00 50.80	.055 1.40	50

Standard Colors: Clear and Black. Note: No flammability UL recognition or CSA certification on clear. Other colors, packaging or cut lengths available upon request. CF - Consult factory.

PHYSICAL, ELECTRICAL AND CHEMICAL PROPERTIES

Physical Properties	Requirements	Test Specifications
Tensile Strength (psi)	2400	
Elongation (%)	200	
Specific Gravity	1.35 max.	
Longitudinal Change (%)	+/- 5 max.	

Electrical Properties	Requirements	Test Specifications
Dielectric Strength (volts/mil)	800	
Volume Resistivity (ohm-cm)	10 (14) min.	

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