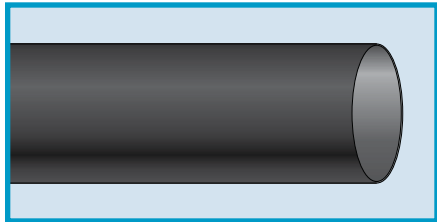


Heat-Shrink Tubing

FIT®-221 Heat-Shrink Tubing

2:1 Shrink Ratio, XLPO



**AMS-DTL-23053/5 Class 1
(except clear)**

**AMS-DTL-23053/5 Class 2
(clear)**

UL 224 (except clear)

CSA 198 (except clear)

- Excellent general-purpose tubing
- Low water absorption
- UV resistant (black only)

Operating Temperature

- -55°C to +135°C
- -55°C to +125°C (UL, CSA)

Shrink Temperature

- 90°C min.
- 121°C full recovery

Material

- Cross-linked polyolefin

Colors

- Black, white, red, yellow, blue, green, clear

Physical Properties

- Tensile strength: 1500 psi (10.34 N/mm²)
- Elongation: 200% min
- Longitudinal change: ±5%

- Specific gravity: 1.35 (colors)/1.00 (clear)
- Flame retardant
- Shelf life: 5 years at 18°C to 35°C

Chemical Properties

- Corrosive effect: none
- Fungus resistance: no growth
- Water absorption: 0.5% max.
- Fluid resistance: 1000 psi (6.89 N/mm²)
- Lead free

Electrical Properties

- 600 V (UL, CSA)
- Dielectric strength: 500 V/mil (197 kV/cm)
- Volume resistivity: 10¹⁴ ohm-cm

Availability

See table, next page

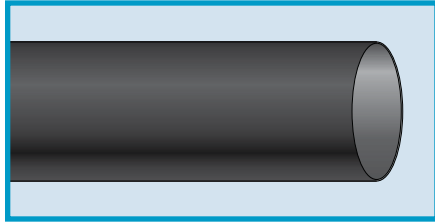
Part No.	Supplied ID, Min.		Recovered ID, Max.		Recovered Wall Thickness, Nom.	
	Inch	mm	Inch	mm	Inch	mm
FIT-221-3/64	0.046	1.17	0.023	0.58	0.016	0.41
FIT-221-1/16	0.063	1.60	0.031	0.79	0.017	0.43
FIT-221-3/32	0.093	2.36	0.046	1.17	0.020	0.51
FIT-221-1/8	0.125	3.18	0.062	1.57	0.020	0.51
FIT-221-3/16	0.187	4.75	0.093	2.36	0.020	0.51
FIT-221-1/4	0.250	6.35	0.125	3.18	0.025	0.64
FIT-221-3/8	0.375	9.53	0.187	4.75	0.025	0.64
FIT-221-1/2	0.500	12.70	0.250	6.35	0.025	0.64
FIT-221-3/4	0.750	19.05	0.375	9.53	0.030	0.76
FIT-221-1IN	1.000	25.40	0.500	12.70	0.035	0.89
FIT-221-1-1/2	1.500	38.10	0.750	19.05	0.040	1.02
FIT-221-2IN	2.000	50.80	1.000	25.40	0.045	1.14
FIT-221-3IN	3.000	76.20	1.500	38.10	0.050	1.27
FIT-221-4IN	4.000	101.60	2.000	50.80	0.055	1.40



Heat-Shrink Tubing

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**AMS-DTL-23053/5 Class 1
(except clear)**

**AMS-DTL-23053/5 Class 2
(clear)**

UL 224 (except clear)

CSA 198 (except clear)

Availability

Part No.	Spools		Qty, Cut Pieces at Length			
	Ft	m	4 ft (1.2 m)	6" (152 mm)	1" (25.4 mm)	0.5" (12.7 mm)
FIT-221-3/64	1000*	305*	25	40	1000	1000
FIT-221-1/16	70, 100*, 1000	21.3, 30.5*, 305	25	36	1000	1000
FIT-221-3/32	65, 100*, 500	19.8, 30.5*, 152	25	32	1000	1000
FIT-221-1/8	60, 100*, 500	18.2, 30.5*, 152	25	28	1000	1000
FIT-221-3/16	50, 100*, 500	15.2, 30.5*, 152	25	24	1000	1000
FIT-221-1/4	40, 100, 250*	12.2, 30.5, 76.2*	25	20	1000	1000
FIT-221-3/8	35, 50*, 200	10.6, 15.2*, 60.9	25	16	1000	1000
FIT-221-1/2	32, 50*, 150	9.7, 15.2*, 45.7	5	14	—	—
FIT-221-3/4	24, 50*, 250	7.3, 15.2*, 76.2	5	12	—	—
FIT-221-1IN	16, 50*, 250	4.8, 15.2, 76.2	5	8	—	—
FIT-221-1-1/2	125*	38.1*	5	5	—	—
FIT-221-2IN	125*	38.1*	5	3	—	—
FIT-221-3IN	100	30.5*	2	2	—	—
FIT-221-4IN	50*	15.2*	2	—	—	—

*Black and clear tubing only.

Packaged Assortments

Assorted sizes of 6"
(152 mm) lengths

Each length is size identified.

FIT-221-MS-1 Assorted colors: Black, blue, red, green, yellow

Contents	Tubing Size		Quantity
	Inch	mm	
FIT-221-3/64	0.046	1.17	6
FIT-221-1/16	0.063	1.60	6
FIT-221-3/32	0.093	2.36	6
FIT-221-1/8	0.125	3.18	6
FIT-221-3/16	0.187	4.75	6

FIT-221-MS-2 Assorted colors: Black, blue, red, yellow

Contents	Tubing Size		Quantity
	Inch	mm	
FIT-221-1/4	0.250	6.35	4
FIT-221-3/8	0.375	9.53	4
FIT-221-1/2	0.500	12.70	4
FIT-221-3/4	0.750	19.05	4

FIT-221 Kits

FIT-KIT-221BK

Colors: Black

Contents	Tubing Size		Quantity
	Inch	mm	
FIT-221-3/16	0.187	4.75	25
FIT-221-1/4	0.250	6.35	20
FIT-221-3/8	0.375	9.53	15
FIT-221-1/2	0.500	12.70	10
FIT-221-1/2	0.750	19.05	6
FIT-221-1/2	1.000	25.40	4

FIT-KIT-221C Assorted colors: Black, blue, red, white, green, yellow, clear

Contents	Tubing Size		Quantity	
	Inch	mm	Each Color	Total
FIT-221-3/32	0.093	2.36	4	28
FIT-221-1/8	0.125	3.18	3	21
FIT-221-3/16	0.187	4.75	3	21
FIT-221-1/4	0.250	6.35	3	21
FIT-221-3/8	0.375	9.53	2	14
FIT-221-1/2	0.500	12.70	2	14

