

# ALPHA WIRE Heat Shrinkable Tubing



## FIT®-CLEAR, CRYSTAL CLEAR HEAT SHRINKABLE TUBING, HIGHLY FLAME RETARDANT

RoHS Compliant This product is RoHS compliant.

**Features:**

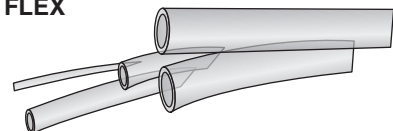
- Where visual inspection and identification are required
- Excellent flame retardancy
- Excellent heat resistance
- Excellent chemical resistance
- Operating Temperature: -55°C to 175°C
- Shrinkage ratio: Approximately 2 to 1 @ 150°C
- All standard packages: Clear
- For use with XTRA-Guard® 4 and XTRA-Guard® 5



**Specification:**

- Passes UL VW-1 Flame Test

Alpha Part No.	Size	Expanded I.D. Min (in)	Recovered I.D. (in.)	MOUSER STOCK NO.	Spool Length (ft.)	Price Per Spool
FIT-CLEAR-3/64	3/64	0.046	0.023	602-FITCLR364	100	145.62
FIT-CLEAR-1/16	1/16	0.063	0.031	602-FITCLR116	100	158.38
FIT-CLEAR-3/32	3/32	0.093	0.046	602-FITCLR332	100	185.81
FIT-CLEAR-1/8	1/8	0.125	0.062	602-FITCLR018	100	202.75
FIT-CLEAR-3/16	3/16	0.187	0.093	602-FITCLR316	100	321.35
FIT-CLEAR-1/4	1/4	0.250	0.125	602-FITCLR014	100	420.60
FIT-CLEAR-3/8	3/8	0.375	0.187	602-FITCLR038	100	536.68
FIT-CLEAR-1/2	1/2	0.500	0.250	602-FITCLR012	50	390.40
FIT-CLEAR-3/4	3/4	0.750	0.375	602-FITCLR034	50	481.65
FIT-CLEAR-1	1	1.000	0.500	602-FITCLR100	50	822.54
FIT-CLEAR-1-1/2	1 1/2	1.500	0.750	602-FITCLR112	50	980.22
FIT-CLEAR-2	2	2.000	1.000	602-FITCLR200	50	1494.48



**Specifications:** UL Standard 224

**Features:**

- Highest flexibility available
- Scrape abrasion resistance
- Flame retardancy
- Flexibility in widest temperature range: -50°C to 200°C
- Pliability when substrate requires "Give"
- Use with XTRA-Guard® Flexible Cables
- Color: Slate



## 600 HIGHLY-FLEXIBLE IRRADIATED ELASTOMER

- Improved flexibility over standard XLPO
- More than twice the tensile strength of silicone rubber
- Oil resistance and flame retardancy
- Large tubing diameters
- Use with XTRA-GUARD® 4
- Color: Black



Alpha Part No.	Size	Expanded I.D. Min (in.)	Recovered I.D. (in.)	25 ft. Spools	
				MOUSER STOCK NO.	Price Per Spool
FIT-600-1/4	1/4	0.250	0.143	602-FIT60014	133.20
FIT-600-3/8	3/8	0.375	0.211	602-FIT60038	159.27
FIT-600-5/8	5/8	0.625	0.357	602-FIT60058	198.80
FIT-600-7/8	7/8	0.875	0.500	602-FIT60078	247.16
FIT-600-1	1	1.000	0.570	602-FIT600100	274.32
FIT-600-1-1/4	1 1/4	1.250	0.714	602-FIT600114	377.05
FIT-600-1-1/2	1 1/2	1.500	0.857	602-FIT600112	428.93
FIT-600-1-3/4	1 3/4	1.750	1.000	602-FIT600134	543.40

## 321V LOW SHRINK TEMP, FLAME RETARDANT IRRADIATED POLYOLEFIN

**Specifications:**

- Operating temperature: -55°C to 135°C
- Shrinkage ratio: App 3 to 1 @ 90°C
- Color: Black
- UL Standard 224
- Fast recovery time
- For use with Series V (VFD Cable)

**Applications:**

- Delicate and intricate electronics protection
- Industrial applications
- Where substrates are heat sensitive



Alpha Part No.	Size	Expanded I.D. Min (in)	Recovered I.D. (in.)	25 ft. Spools		100 ft. Spools	
				MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool
FIT-FLEX-2	.118	.071	.020	602-FITFLEX2	247.60	602-FITFLEX2C	1104.55
FIT-FLEX-3	.198	.114	.040	602-FITFLEX3	316.34	602-FITFLEX3C	1543.24
FIT-FLEX-5	.307	.173	.080	602-FITFLEX5	496.70	602-FITFLEX5C	1939.71
FIT-FLEX-6	.394	.244	.120	-----	-----	602-FITFLEX6C	2189.95
FIT-FLEX-9	.591	.354	.160	602-FITFLEX9	745.50	602-FITFLEX9C	3100.70
FIT-FLEX-12	.787	.492	.240	602-FITFLEX12	949.88	602-FITFLEX12C	4559.08
FIT-FLEX-20	1.142	.748	.315	602-FITFLEX20	1665.35	602-FITFLEX20C	7992.68

## 400 TEMPERATURE/CHEMICAL RESISTANT FEP TEFLON® HEAT SHRINK

**Features:**

- Excellent chemical resistance
- Thinnest wall thickness available
- Color: Natural
- Extreme temperature: -75°C to 200°C
- Use with XTRA-Guard® 4 and XTRA-Guard® 5



Alpha Part No.	Size	Expanded I.D. Min (in)	Recovered I.D. (in.)	4 ft. Lengths	
				MOUSER STOCK NO.	Price Per Piece
FIT-400-6	.225	.060	.020	602-FIT-400-6	19.96
FIT-400-8	.180	.120	.040	602-FIT-400-8	16.52
FIT-400-10	.141	.240	.080	602-FIT-400-10	13.07
FIT-400-12	.115	.360	.120	602-FIT-400-12	10.16
FIT-400-14	.092	.472	.160	602-FIT-400-14	10.16
FIT-400-16	.075	.720	.240	602-FIT-400-16	10.10
FIT-400-18	.060	.945	.315	602-FIT-400-18	15.46
FIT-400-20	.045			602-FIT-400-20	7.78

## 421 OVER EXPANDED, IRRADIATED POLYOLEFIN

**Features:**

- Large supplied diameter sizes
- Resistance to water, fungus, and UV light

**Specifications:**

- Tensile strength: 1500psi
- Operating temperature: -55°C to +135°C
- Shrinkage ratio: Approximately 4 to 1 @ 121°C
- Color: Black

**Applications:**

- D-Sub connector strain relief
- RS-232 25 pin connector to cable coverage
- Covers the most irregular shapes and connectors
- PC board coverage and protection



Alpha Part No.	Size	Expanded I.D. Min (in)	Recovered I.D. (in.)	4 ft. Lengths	
				MOUSER STOCK NO.	Price Per Piece
FIT-421-1	1"	1.000	0.260	602-FIT421100	61.33
FIT-421-1-1/2	1 1/2"	1.150	0.375	602-FIT421112	59.54
FIT-421-2	2"	2.000	0.550	602-FIT421200	96.42
FIT-421-3	3"	3.000	0.810	602-FIT421300	69.04
FIT-421-4	4"	4.000	1.050	602-FIT421400	120.09

## 700 BONDING, MASTIC LINED, IRRADIATED POLYOLEFIN

**Features:**

- Bonding adhesion to most materials
- Prevents wicking and fills interstices
- Superior strength
- Use with XTRA-GUARD® 3
- Temperature range: -55°C to +110°C
- Environmental and water-tight seal
- High voltage to 1kV at 90°C
- Tubing sizes match 14AWG-2000MCM sizes
- Color: Black



Alpha Part No.	Expanded I.D. Min (in.)	Recovered I.D. (in.)	12 in. Lengths		
			MOUSER STOCK NO.	Price Per Piece	Price Per Piece
FIT-700-21	0.750	.240	602-FIT70021	16.29	14.77
FIT-700-22	1.100	.350	602-FIT70022	18.89	17.14
FIT-700-23	1.500	.470	602-FIT70023	25.97	23.86
FIT-700-24	2.000	.630	602-FIT70024	29.53	26.79
FIT-700-25	3.000	1.250	602-FIT70025	89.61	81.33
FIT-700-26	4.500	1.750	602-FIT70026	88.49	80.29

## 750 BONDING, ADHESIVE-LINED, IRRADIATED POLYOLEFIN

**Features:**

- Bonding to substrates
- Total encapsulation
- Permanent water and corrosion protection
- Internal isolation of individual substrates- "pinching"
- Use with XTRA-GUARD® 2
- Similar to FIT®-221 with adhesive liner
- Reduced diameters
- Color: Black
- Temperature range: -55°C to 110°C



Alpha Part No.	Size	Expanded I.D. Min (in.)	Recovered I.D. (in.)	4 ft. Lengths	
				MOUSER STOCK NO.	Price Per Piece
FIT-750-1/4	1/4	0.250	0.125	602-FIT75014	11.59
FIT-750-3/8	3/8	0.375	0.187	602-FIT75038	12.92
FIT-750-1/2	1/2	0.500	0.250	602-FIT75012	15.30
FIT-750-3/4	3/4	0.750	0.375	602-FIT75034	23.60
FIT-750-1	1	1.000	0.500	602-FIT750100	37.53
FIT-750-1-1/2	1 1/2	1.500	0.750	602-FIT750112	51.84



Alpha Wire Tubing