

# Alpha Wire Tubing Kits & Heat Guns

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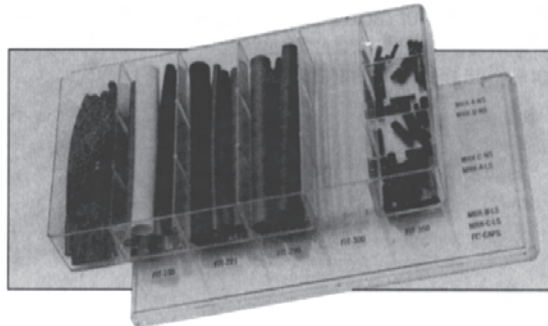
## RECOMMEND FIT®-221 OR FIT®-321 ALPHA HEAT SHRINK TUBING

### ALPHA SERIES M HIGH PERFORMANCE, STATIONARY AUTOMOTIVE CONTROL CABLE

The ultimate cable solution for stationary/cable tray and some minimal flexing applications with superior resistance to oils and chemicals. Choose series M for: Improved cable life. Reduced cable cost. Abrasion resistance. Jacket durability. **DESCRIPTION:** Conductor: 16 AWG (1,50mm) 65/34, stranded bare copper. Insulation: Red or blue PVC/nylon. Jacket: Specially-formulated, oil resistant PVC. **APPLICATIONS:** Factory equipment interconnects. Robotics. Machine tools. Stationary track/tray. Automotive assembly equipment. Conveyor systems. Control panels. **CHARACTERISTICS:** Operating Temperature: -25°C to +90°C. Voltage rating: 600 Volts. Jacket colour: Grey. **SPECIFICATIONS:** UL type TC (600V). CSA AWM II A/B 600V FT1. CE Marked.

Cat. No.	No. of Pairs	Jacket Thickness		Nominal Diameter		Net Price Per Ft.
		Inches	mm	Inches	mm	
<b>RED INSULATION</b>						
M16112RW-100	12	0.063	1.6	0.58	14.7	<b>\$2.77</b>
M16117RW-100	17	0.063	1.6	0.67	16.9	<b>3.68</b>
M16122RW-100	22	0.063	1.6	0.73	18.6	<b>4.56</b>
M16125RW-100	25	0.063	1.6	0.79	20.0	<b>5.31</b>
M16133RW-100	33	0.083	2.1	0.89	22.6	<b>6.94</b>
M16142RW-100	42	0.083	2.1	0.98	24.9	<b>9.22</b>
M16149RW-100	49	0.083	2.1	1.07	27.2	<b>10.57</b>
M16165RW-100	65	0.083	2.1	1.19	30.3	<b>13.94</b>
<b>BLUE INSULATION</b>						
M16112LW-100	12	0.063	1.6	0.58	14.7	<b>2.77</b>
M16117LW-100	17	0.063	1.6	0.67	16.9	<b>3.68</b>
M16122LW-100	22	0.063	1.6	0.73	18.6	<b>4.56</b>
M16125LW-100	25	0.063	1.6	0.79	20.0	<b>5.31</b>
M16133LW-100	33	0.083	2.1	0.89	22.6	<b>6.94</b>
M16142LW-100	42	0.083	2.1	0.98	24.9	<b>9.22</b>
M16149LW-100	49	0.083	2.1	1.07	27.2	<b>10.57</b>
M16165LW-100	65	0.083	2.1	1.19	30.3	<b>13.94</b>

NOTE: Also available in 1000 ft. lengths.



### FIT® SHRINKABLE TUBING KIT TUBING ASSORTMENTS FIT® KITS ■ 1,2,7

**FIT® SAMPLER SELECTIONS** Alpha FIT-KITS provide the designer, engineer or technician with a complete sampler selection of the most popular FIT Tubing types, colour and sizes. Tubing products are packaged in a clear plastic box with each type in its own compartment.

**FIT-KIT-1** includes the most popular types only. **FIT-KIT-2** is a two-box assortment. It includes not only the items in **FIT-KIT-1**, but a complete sampling of Alpha's Fit Tubing products.

#### FIT-KIT-1

Contents	Material	Sizes (assorted colours)	No. 6" Lengths*
FIT105	Vinyl	9 sizes 3/64" - 3/4"	18
FIT221	Polyolefin	9 sizes 3/64" - 3/4"	19
FIT295	Semi-Rigid Polyolefin	8 sizes 3/64" - 1/2"	12
FIT300	Surface Irradiated Polyolefin	5 sizes 1/8" - 1/2"	10
FIT350	Kynar	7 sizes 3/64" - 3/8"	14
FIT-CAPS	Polyolefin	Cap 1, 2, 3, 4	4 Caps
FIT-MARKERS	Vinyl	Assorted letters & numbers	36 markers

\*Except Markers & Caps.

Cat. No.	Net Price
<b>FIT-KIT-1</b>	<b>\$75.22</b>

#### FIT-KIT-2

(FIT-KIT-2 INCLUDES FIT-KIT-1 PLUS MATERIAL BELOW)

Contents	Material	Sizes (assorted colours)	No. Lengths	
			6"	1"
FIT321	Adhesive-Lined Polyolefin	2 sizes 1/4" - 1/2"	16	24
FIT400	FEP Teflon	6 sizes 12-24 AWG	22	
FIT500	TFE Teflon	5 sizes 18-26 AWG	17	
FIT600	Neoprene	5 sizes 1/4" - 1"	8	
FIT700	Cable Sleeves	2 sizes 1, 2	2	
FIT750	Adhesive Cable Sleeves	1 Size 3/8"		10

Cat. No.	Net Price
<b>FIT-KIT-2</b>	<b>\$151.64</b>

These Alpha **FIT-KITS** provide a sampler selection of **FIT® Tubing** types geared to specific applications. These include high temperature, electrical/industrial and hostile environment for those applications where temperature extremes, oils and chemicals are encountered.

#### FIT-KIT-7

ELECTRONIC APPLICATIONS

Contents	Material	Sizes (assorted colours)	No. 6" Lengths*
FIT105	Vinyl	7 sizes 1/8" - 1/2"	14
FIT130	Mylar	6 sizes 3/32" - 1/2"	12
FIT221	2:1 Polyolefin	7 sizes 1/16" - 1/2"	28
FIT250	Nylon	5 sizes 1/16" - 1/4"	10
FIT260	Ground Lead Polyolefin	3 sizes 1/8" - 1/2"	6
FIT300	Surface Irradiated Polyolefin	4 sizes 1/2" - 3/8"	8
FIT321	3:1 Polyolefin	3 sizes 1/8" - 1/2"	6
FIT350	Kynar	7 sizes 3/64" - 1/2"	14
FIT-CRIMPS	Shrink Nylon Crimps	3 sizes 1-3	12

\*Except FIT Crimps 1 1/4" pcs

Cat. No.	Net Price
<b>FIT-KIT-7</b>	<b>\$150.44</b>



### ALPHA GENERAL PURPOSE, IRRADIATED POLYOLEFIN SHRINKABLE TUBING ASSORTMENTS

For use in research and development labs, engineering development, and maintenance departments. Choose **FIT® KIT-221C** and **FIT® KIT-221BK** for: Convenient and portable access to FIT®-221 shrinkable tubing Alpha wire's most popular sizes and colours. Use the Alpha Flameless Butane Torch **FIT-FBT-1** for **total portability in the field.** **APPLICATIONS:** Remote insulation and repair. Wire and cable harnessing and bundling. Cable and connector protection. Wire and cable splicing and connecting. **CHARACTERISTICS:** Operating Temperature: -55°C to +135°C. Shrinkage: 2 to 1" at 121°C. Physical Properties: Tensile strength: 1500psi, (106kg/cm²). Ultimate elongation: 200%. Longitudinal shrinkage: -5%. Specific Gravity: 1.35. Secant modulus: 2.5 x 10<sup>4</sup>, max. Flammability: Self extinguishing. Chemical Properties: Corrosive effect: Passes copper stability test. Fungus resistance: No growth. Electrical Properties: Dielectric strength: 500V/mil (197 kV/cm). Volume resistivity: 10<sup>14</sup> ohm-cm. **SPECIFICATIONS:** MIL-DTL-23053/5C, Class 1,2. UL Standard 224 (except for clear). CSA Standard 198 (except for clear).

Cat. No.	Description	Net Price
<b>FIT-KIT-221C</b>	Kit contains: 119 pieces in 6 inch lengths with assorted colours—black, red, white, blue, yellow, green, and clear. Sizes: 28-3/32", 1-1/8", 21-3/16", 21-1/4", 14-3/8", 14-1/2".	<b>\$67.55</b>
<b>FIT-KIT-221BK</b>	Kit contains: 80 pieces in 6 inch lengths. Colour: black. Sizes: 25-3/16", 20-1/4", 15-3/8", 10-1/2", 6-3/4", 4-1".	<b>56.95</b>

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electrosonic



### FYBEROID "FISH PAPER"

#560 thin insulated "Fish Paper". For numerous repair jobs around the shop where electrical insulation is required. **SPECIFICATIONS:** Size: 10" wide. Description: vulcanized cellulose fiber. Colour: blue-grey. Thickness: 0.010 inch  $\pm$  10%. Uses: all electrical insulation. Tensile strength: MD 15,000 psi, (typical). CD 6,000 psi, (typical). Density: 1.1 gram per cubic centimeter min. Electrical strength: 300 volts per mil (typical). Bursting strength: (mullen) 270 psi, (typical). Tearing strength: MD 375 grams, (typical). CD 450 grams, (typical). Zinc chloride content: 0.05% max. UL 94 flame class: 94HB UL file #E55656. Meets mil. spec. MIL-1-695A type F. Rolled.

Cat. No.	Net Price
00-0560-0000	\$4.16

### HD-4018 HARDWARE KIT ASSORTMENT

Individually compartmented, for fast selection, in reusable, plastic boxes with hinged cover and positive clasp. All metal hardware is nickel-plated steel. Contains 115 fasteners. Binder hd. steel machine screws, hex nuts, and hex hd. sheet metal screws.

Cat. No.	Description of Kit Contents		Net Price
	Cat. No.	Fits Chassis Hole Size	
HD-4018	F-021	4-40 x 1/2" screw	\$10.66
	F-503	6-32 x 1/4" screw	
	F-015	6-32 x 3/4" screw	
	F-025	8-32 x 1/2" screw	
	F-557	4-40 x 1/4" nut	
	F-561	8-32 x 1/4" nut	
	F-526	#6 x 1/2" screw	
	F-559	6-32 x 1/4" nut	

### HD-4209 VINYL GROMMET HARDWARE KIT ASSORTMENT

Contains 185 pieces of the six most popular types of vinyl grommets in a reusable plastic box.

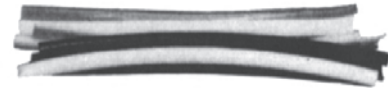
Cat. No.	Description of Kit Contents			Net Price
	Cat. No.	Fits Chassis Hole Size	Wire Hole Size (I.D.)	
HD-4209	G-401	1/4"	1/8"	\$17.58
	G-402	5/16"	3/16"	
	G-403	3/8"	1/4"	
	G-404	7/16"	5/16"	
	G-405	1/2"	3/8"	
	G-406	5/8"	1/2"	



### MACHINE SCREW ASSORTMENT

Contents	Qty. in Pkg.
<b>ROUND HEAD MACHINE SCREWS</b>	
#4-40 x 1/2"	100
#6-32 x 1/4"	100
#6-32 x 1/2"	75
#6-32 x 3/4"	50
#8-32 x 1/2"	50
<b>HEX NUTS—STEEL, NICKEL PLATED</b>	
#4-40 x 1/4"	100
#6-32 x 1/4"	100
#8-32 x 1/4"	100

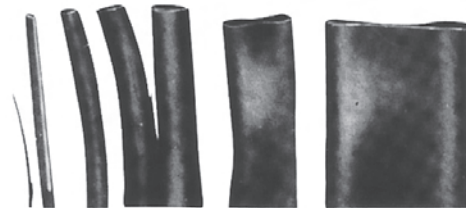
Cat. No.	Net Price
11-520	\$25.57



### HEAT SHRINKABLE TUBING ASSORTMENT

Shrink to half its original size when heated. Use it for insulating terminals, connectors, tool handles and wire splices. Use heat gun, oven, barrel of soldering iron or just a match. Assorted size and colours. Package of 7 6" lengths.

Cat. No.	Net Price
H3-0462-0000	\$2.42



### FLEXIBLE HEAT SHRINKABLE PVC TUBING

Fungus-resistant and non-corrosive PVC tubing. Application of heat (250°F) shrinks tubing to 50% of original diameter. Recommended for tightly sealing connectors, weather proofing repaired sections in insulated wire or cable, etc. Meets UL requirements, ASTM D-922, Mil. spec. MIL-1-631 Grade C and MIL-1-23053 Grade 5b.

**SPECIFICATIONS:**  
**Recovery Temperature:** 250°F  
**Tensile Strength:** 1800 PSI min.  
**Flammability:** less than 15 seconds (ASTM D-876)  
**Dielectric Strength:** 800V/MIL  
**Dielectric Constant:** 7.0 1 kHz  
**Material:** PVC, Class A (105°C) shrinkdown  
 Packaged in 6" lengths

Cat. No.	Description	Pieces Per Bag	Net Price
12-1080-0000	Assorted Black N.S.N. 5970-01-051-4706	23	\$5.22



### FLEXIBLE HEAT SHRINKABLE PVC TUBING

Fungus-resistant and non-corrosive PVC tubing. Application of heat (250°F) shrinks tubing to 50% of original diameter. Recommended for tightly sealing connectors, weather proofing repaired sections in insulated wire or cable, etc. Meets UL requirements, ASTM D-922, Mil. spec. MIL-1-631 Grade C and MIL-1-23053 Grade 5b. **SPECIFICATIONS:** Recovery temperature: 250°F. Tensile strength: 1800 PSI min. Flammability: less than 15 seconds (ASTM D-876). Dielectric strength: 800V/MIL. Dielectric constant: 7.0 1 kHz. Material: PVC, Class A (105°C) shrinkdown, packaged in 6" lengths.

Cat. No.	Description	Pieces Per Bag	Net Price
12-1082-0000	Assorted Clear N.S.N. 5970-01-051-4708	19	\$5.22