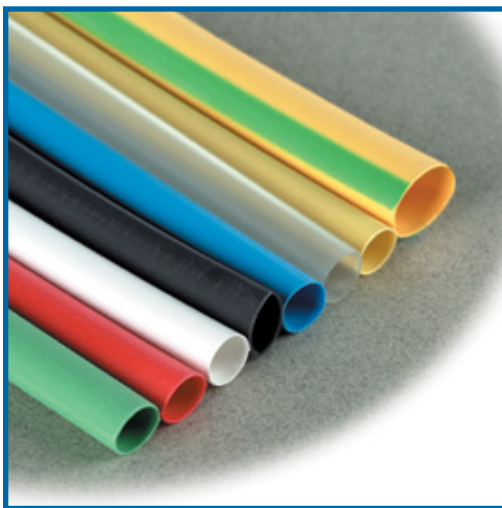
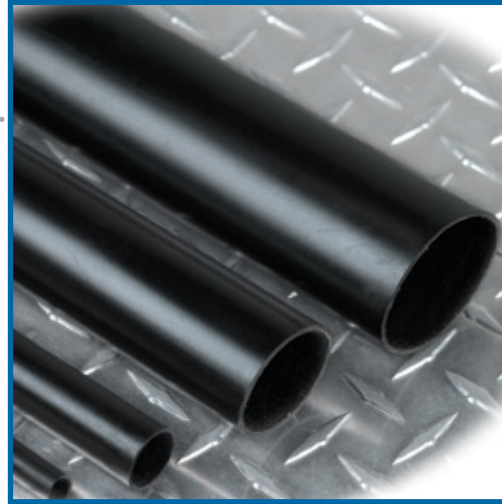


## Shrink-Kon® Heat-Shrinkable Tubing

### Shrink-Kon® Medium Wall Tubing

More flexible than heavy-wall products, with excellent resistance to impact and abrasion.

- Seals and protects cable splices and terminations
- Thermoplastic adhesive liner guarantees complete environmental protection and insulation



### Shrink-Kon® Thin Wall Tubing

Manufactured from stabilized Polyolefin, these insulators are used to insulate bare Sta-Kon® and Blackburn® connectors and splices. They also provide a degree of strain relief and may be used to harness wires. Available in cut pieces or reels.

#### Featured Products Include:

- Standard non-lined 2:1 thin wall tubing
- 3:1 adhesive-lined thin wall CPO-A series provides excellent flexibility with environmental sealing capability
- Extra-clear heat shrink for use on power connections and data connections

### Covers

These new insulating covers provide hard-shell insulated protection for "H" type compression taps and splices, and, because there is no taping required, you get uniform quality and appearance each time. The exclusive locking design provides the range-taking capability. Only six H-tap insulating catalog numbers accommodate the range of #6 AWG – 1000 kcmil in the main and #12 AWG – 500 kcmil in the branch.

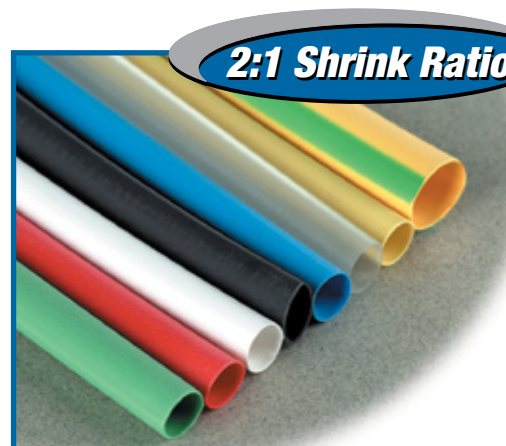
- Hard-shell outer covers guard against impact, inner seal keeps out dust
- Installs quickly and easily without special tools — simply snap together
- Eliminates time-consuming taping
- Provides high-quality, neat, uniform installations
- Range-taking design reduces inventory



## Shrink-Kon® Heat-Shrinkable Tubing

### CPO Series — Thin-Wall Tubing, Non-Lined

- Flame-retardant, cross-linked polyolefin
- Continuous operating temperature: -55° C to 135° C
- Shrink temperature of 120° C
- Meets UL 224, 125° C; CSA C22.2 No. 198.1, 125° C; MIL-DTL-23053/5 Class 1&2; AMS 3636 & 3637; DEF STAN 59-97, Issue 3, Type 2a



Wire Termination — Sta-Kon® Wire Termination & Insulation

#### CPO Series Thin-Wall Heat-Shrinkable Tubing



CAT. NO.	MIN. EXPANDED I.D. (IN.)	MAX RECOVERED I.D. (IN.)	NOM. RECOVERED WALLED (IN.)	CODE CABLE SIZE
CPO63-_-	.06	.03	.02	—
CPO93-_-	.09	.05	.02	—
CPO125-_-	.13	.06	.02	#24-#30 AWG
CPO187-_-	.19	.09	.02	#14-#22 AWG
CPO250-_-	.25	.13	.03	#10-#16 AWG
CPO375-_-	.38	.19	.03	#6-#12 AWG
CPO500-_-	.50	.25	.03	#1-#6 AWG
CPO750-_-	.75	.38	.03	4/0-#2 AWG
CPO1000-_-	1.00	.50	.04	350 kcmil-2/0 AWG

See catalog construction to complete.

UL Recognized File Number E137759 and CSA Certified. (Note: Clear material not UL Recognized.)

When ordering standard package, order by package not feet.

Larger diameters available upon special request; consult Technical Services.

Order multiple for 4' sticks is 25 sticks.  
Order multiple for reels is 1 reel.

#### Catalog Number Construction

SERIES	COLOR	LENGTH FT.	FINAL ORDER NO.
CPO63	+ 0	+ C	= CPO63-0-C

#### Available Colors

- 0 = Black
- C = Clear
- 2 = Red
- 4 = Yellow
- 5 = Green
- 6 = Blue
- 8 = Gray\*\*
- 9 = White
- S = Green & Yellow Striped\*

#### Available Packaging

- A = 4'
- 25 = 25' reel
- C = 100' reel
- B = Bulk reel

\* Contact customer service for bulk reel quantity.

\*\* Minimum order required.

### Thin-Wall Heat-Shrinkable Tubing Kit



CAT. NO.	DESCRIPTION	STD. PKG.
HS-KIT	Assortment of six different sizes (from 3/16" to 1") of black thin-wall heat-shrinkable tubing pre-cut to 6" lengths. Exceptional value; also includes handy plastic storage case.	1
CHS-KIT	Assortment of six different sizes (from 3/16" to 1") of multi-colored thin-wall heat-shrinkable tubing pre-cut to 6" lengths. Exceptional value; also includes handy plastic storage case.	1

Order multiple is std. pkg.

### Thin-Wall Heat-Shrinkable Tubing — 6" Lengths

CAT. NO.	MINIMUM EXPANDED I.D. (IN.)	MAXIMUM REDUCED I.D. (IN.)	NOM. RECOVERED WALL THICKNESS (IN.)	STD. PKG. QTY.
CPO63-0-6	.06	.03	.02	20
CPO93-0-6	.09	.05	.02	20
CPO125-0-6	.13	.06	.02	20
CPO187-0-6	.19	.09	.02	20
CPO250-0-6	.25	.13	.03	20
CPO375-0-6	.38	.19	.03	20
CPO500-0-6	.50	.25	.03	10
CPO750-0-6	.75	.38	.03	10
CPO1000-0-6	1.00	.50	.04	5

Order multiple is std. pkg.

Catalog numbers listed are Black color; other colors available upon request.

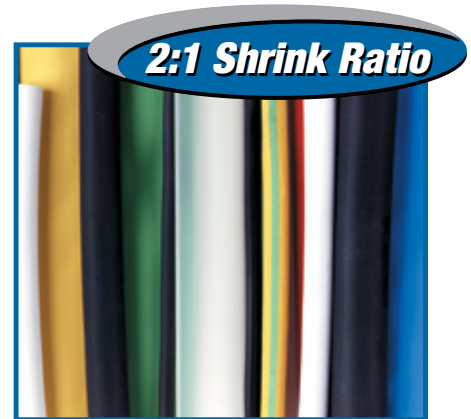
## Shrink-Kon® Heat-Shrinkable Tubing

Custom order lengths for those special jobs!

### Custom-Cut Length of Bulk Packaging — Thin-Wall Tubing

To best meet your requirements for thin-wall heat-shrinkable tubing, Thomas & Betts welcomes the opportunity to cut bulk reels of tubing. Minimum order requirement is one standard bulk reel, and multiples thereof. See table for bulk reel length by size. Tubing cannot be cut smaller than 1/2".

When ordering custom-cut lengths of tubing, order by piece, not by length. To determine the minimum number of pieces to order, simply figure how many pieces of a specific length of tubing are required to make use of a complete bulk reel. See examples to convert bulk reels to cut pieces.



SERIES	BULK REEL LENGTH (FT.)	SERIES	BULK REEL LENGTH (FT.)
CP063 = 1/16"	1,000	CP0375 = 3/8"	500
CP093 = 3/32"	1,000	CP0500 = 1/2"	400
CP0125 = 1/8"	1,000	CP0750 = 3/4"	300
CP0187 = 3/16"	1,000	CP01000 = 1"	300
CP0250 = 1/4"	1,000		

Minimum order quantity for cut pieces.

#### Example 1

If a bulk length of tubing is 1,000' and the desired length of each individual piece is 6", the minimum order requirement is 2,000 pieces.

Given (length of reel).....1,000'  
 Convert to inches by multiplying by 12.....12 x 1,000  
 Length of reel in inches.....= 12,000  
 Divide by desired length.....12,000 ÷ 6  
 Total number of 6" pieces  
 in a 1,000' reel (Minimum Order).....= 2,000

#### Example 2

If a bulk reel of tubing is 400' and the desired length of each individual piece is 2", the minimum order requirement is 2,400 pieces.

Given (length of reel).....400'  
 Convert to inches by multiplying by 12.....12 x 400  
 Length of reel in inches.....= 4,800  
 Divide by desired length.....4,800 ÷ 2  
 Total number of 2" pieces  
 in a 400' reel (Minimum Order).....= 2,400

Contact tech services for pricing and availability on cut pieces.

THINWALL SERIES	CUT PIECE CATALOG NO. CONSTRUCTION		
	MINIMUM EXPANDED I.D. (IN.)	COLOR	LENGTH (IN.)
CPO =	63 = .063 93 = .093 125 = .125 187 = .187 250 = .250 375 = .375  500 = .500 750 = .750 1,000 = 1.000	0 = Black C = Clear 2 = Red 4 = Yellow 5 = Green 6 = Blue 8 = Gray 9 = White S = Green & Yellow Striped*	XXXX — 4 digits specify length of cut in inches

Example: CPO + 125 + 2 + 1.500 = CP0125-2-1.500  
 CPO Thinwall Shrink, size 125 (.125"), red color, 1.5" long  
 \*Contact customer service for bulk reel quantity.

#### ..... Thin-Wall Tubing Specifications .....

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE
<b>Physical</b>		
• Tensile Strength	ASTM D2671, ISO 37	2,200 psi (15.0 MPa)
• Elongation	ASTM D2671, ISO 37	400%
• Longitudinal Change	ASTM D2671	+1%, -10%
• 2% Secan Modulus	ASTM D2671	16,000 psi (110 MPa)
• Specific Gravity	ASTM D792, ISO/R1183	1.3" (colors) .95" (clear)
• Restricted Shrinkage	ASTM D2671	No Cracking
• Elongation after Heat Aging (168 hrs. at 175° C)	ASTM D2671	350%
• Heat Shock (4 hrs. at 250° C)	ASTM D2671	No Cracking or Flowing
• Low-Temperature Flexibility (4 hrs. at -55° C)	ASTM D2671	No Cracking or Splitting
• Flammability	ASTM D2671	Flame Retardant (except Clear)
<b>Electrical</b>		
• Dielectric Strength	ASTM D2671, IEC 243	600V/Mil (24kV/mm)
• Volume Resistivity	ASTM D2671	1016 Ω HM-CM
<b>Chemical</b>		
• Fluid Resistance	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
• Copper Corrosion	ASTM D2671	No Corrosion
• Water Absorption	ASTM D570	.2%
• Fungus Resistance	ASTM G21	No Growth