

CYG Authorized Distributor



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**CYG** 长园

UL File No: E180908  
 TS 16949:200 • ISO 9001:2008  
 ISO 14001:2004 • EU RoHS REACH

**Premium Series:**

Advanced Processing, 100% Virgin Materials, Japanese or USA Additives, Highest Agency Ratings.

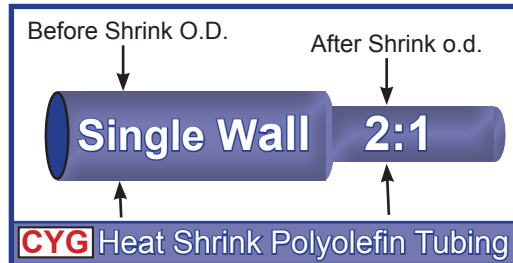
**Economy Series:**

Standard Processing. Includes Re-grind Material to % Allowed by Agency Ratings. Chinese Additives,

## CB-HFT (600) DATA SHEET

### CB-HFT (600) PREMIUM GENERAL PURPOSE HEAT-SHRINK TUBING

CB-HFT (600) is halogen-free, flexible, flame-retardant polyolefin heat-shrinkable tubing. This tubing is low smoke generating abrasion resistant and in case of burning, produce no dioxin. CB-HFT (600) tubing is widely used in enclosed areas where flame-retardant, halogen-free environment is required. Certifications: UL, CUL, F-Mark, Sony Green Partner



**APPLICATIONS**

Used in home, office, or industrial environments to protect connections and wire, color code wires, bundle wires and cables in computers, appliances, machinery, and industrial equipment. Popular in automobile, railway, aerospace, construction, power delivery, mass transit vehicles. and marine vessel applications.

**Additional Tubing Products**

**Heat Shrink Tubing**

**CB-HFT Premium Series and RSFR Economy Series**

Polyolefin Heat Shrink Tubing, 600V, 125°C, Halogen-Free, Flame Retardant,

**Cross Linked Shrink Tubing**

**CB-1000 Premium Series and RSFR-1000 Economy Series**

Flexible Polyolefin Shrink Tubing, 600V, 135°C, Halogen-Free, Flame Retardant.

**Double Wall, Adhesive Lined**

**CB-DWT Premium Series and SBRS-G Economy Series**

Adhesive Lined, Flexible Polyolefin Heat Shrink Tubing, 600V, 125°C, Flame Retard,

**PTFE Non-Shrink Tube**

**CYG-TT Premium Series and CYG-ZZ Economy Series**

PTFE, Non-Shrink Tubing, 600 Volts/Mil, 260°C Nonflammable, E-180908, UL224.

**PTFE Shrink Tube**

**CYG-PTFE Premium Series and RSTFE Economy Series**

PTFE, Shrink Tubing, 600 Volts/Mil, 260°C Nonflammable, E-180908, UL224.

**Silicone Over Braided Fiberglass**

**CYG-CB-SGS Premium and ZZ-CB-SGS Economy Series**

Flexible Silicone Tubing, 1500V, 2500V, 4000V, 7000V. Temperature rated at 200°C,

**Clear PVDF (Polyvinylidene Fluoride)**

**CYG-KYNAR, 150°C & 175°C**

PVDF Heat-shrinkable Tubing, 600V, 150°C, VW-1, Chemical Resistant,

**Braided Heat Shrink Cloth Fiber**

**CYG-RSF, Heat Shrink Fiber Tubing**

Flexible braided cloth fiber heat-shrinkable tubing, Outstanding mechanical abrasion protection.

2 to 1 Shrink Ratio Premium Series Part Number	Before Shrink (mm)		After Shrink (mm)		Inch Eqiv.	Reel Meters
	Inside Dia.	Wall Thickness	Inside Dia.	Wall-thickness		
CB-HFT 600V 1.0	1.50 ± 0.20	0.18 ± 0.05	≤ 0.60	0.36 ± 0.08		200
CB-HFT 600V 1.5	2.00 ± 0.20	0.18 ± 0.05	≤ 0.80	0.36 ± 0.08	.047	200
CB-HFT 600V 2.0	2.50 ± 0.20	0.20 ± 0.05	≤ 1.00	0.42 ± 0.08	.063	200
CB-HFT 600V 2.5	3.00 ± 0.20	0.22 ± 0.05	≤ 1.25	0.46 ± 0.08	.094	200
CB-HFT 600V 3.0	3.50 ± 0.20	0.22 ± 0.05	≤ 1.50	0.46 ± 0.08		200
CB-HFT 600V 3.5	4.00 ± 0.20	0.22 ± 0.05	≤ 1.75	0.46 ± 0.08	.125	200
CB-HFT 600V 4.0	4.60 ± 0.20	0.22 ± 0.05	≤ 2.00	0.48 ± 0.08		200
CB-HFT 600V 4.5	5.00 ± 0.20	0.23 ± 0.05	≤ 2.25	0.46 ± 0.10		200
CB-HFT 600V 5.0	5.50 ± 0.20	0.25 ± 0.05	≤ 2.50	0.50 ± 0.10		100
CB-HFT 600V 6.0	6.50 ± 0.20	0.25 ± 0.05	≤ 3.00	0.55 ± 0.10		100
CB-HFT 600V 6.5	6.90 ± 0.20	0.25 ± 0.05	≤ 3.25	0.55 ± 0.10	.250	100
CB-HFT 600V 7.0	7.50 ± 0.20	0.25 ± 0.05	≤ 3.50	0.55 ± 0.10		100
CB-HFT 600V 8.0	8.50 ± 0.20	0.28 ± 0.10	≤ 4.00	0.58 ± 0.10		100
CB-HFT 600V 9.0	9.50 ± 0.20	0.28 ± 0.10	≤ 4.50	0.58 ± 0.10	.375	100
CB-HFT 600V 10.0	10.50 ± 0.30	0.28 ± 0.10	≤ 5.00	0.58 ± 0.10		100
CB-HFT 600V 11.0	11.50 ± 0.30	0.28 ± 0.10	≤ 5.50	0.58 ± 0.10		100
CB-HFT 600V 12.0	12.50 ± 0.30	0.28 ± 0.10	≤ 6.00	0.58 ± 0.10		100
CB-HFT 600V 13.0	13.50 ± 0.30	0.28 ± 0.12	≤ 6.50	0.58 ± 0.10	.500	100
CB-HFT 600V 14.0	14.50 ± 0.30	0.28 ± 0.12	≤ 7.00	0.58 ± 0.10		100
CB-HFT 600V 15.0	15.50 ± 0.30	0.28 ± 0.12	≤ 7.50	0.58 ± 0.10		100
CB-HFT 600V 16.0	16.50 ± 0.30	0.28 ± 0.12	≤ 8.00	0.58 ± 0.10		100
CB-HFT 600V 17.0	17.50 ± 0.30	0.28 ± 0.12	≤ 8.50	0.65 ± 0.12		100
CB-HFT 600V 18.0	18.50 ± 0.30	0.32 ± 0.15	≤ 9.00	0.68 ± 0.12		100
CB-HFT 600V 20.0	20.60 ± 0.50	0.32 ± 0.15	≤ 10.00	0.60 ± 0.15	.750	100
CB-HFT 600V 22.0	22.60 ± 0.50	0.35 ± 0.15	≤ 11.00	0.72 ± 0.12		100
CB-HFT 600V 25.0	25.60 ± 0.70	0.40 ± 0.15	≤ 12.50	0.78 ± 0.12	1.00	100
CB-HFT 600V 28.0	28.60 ± 0.70	0.40 ± 0.15	≤ 14.00	0.78 ± 0.12		100
CB-HFT 600V 30.0	30.60 ± 0.70	0.40 ± 0.15	≤ 15.00	0.82 ± 0.12		100
CB-HFT 600V 50.0	41.00 ± 0.50	0.55 ± 0.20	≤ 26.00	1.10 ± 0.15	2.00	100
CB-HFT 600V 60.0	60.50 ± 1.00	0.60 ± 0.25	≤ 30.00	1.25 ± 0.20		100
CB-HFT 600V 80.0	81.00 ± 1.00	0.60 ± 0.30	≤ 40.00	1.25 ± 0.20	3.00	100
CB-HFT 600V 100.0	101.60 ± 1.0	0.60 ± 0.30	≤ 50.00	1.25 ± 0.20	4.00	100

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## CB-HFT (600) DATA SHEET

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#### Technical Information

Attribute	Test Method	Specifications
Shrink Temperature	Company Standard	90°C
Operating Temperature Range	UL224	-55°C-125°C
Radial Shrink Ratio	Blank	>50%
Longitudinal Change	ASTM D2671	-5% -+5%
Tensile Strength	ASTM D638	>10.4 MPa
Elongation at Break	ASTM D638	>200%
Aging in Circulation Air Oven	158°C +/- 1.0°C, 168 Hrs	Blank
Tensile Strength after Aging	ASTM D638	>7.3 MPa
Elongation at Break after Aging	ASTM D638	>100%
Volume Resistance	ASTM D2671	>1.0 x 10 <sup>12</sup> Ω/cm
Dielectric Strength	UL224 AC2500V, 1min	No Breakdown
Heat Shock	UL224	No Cracking
Flammability	UL224	VW-1
Concentricity	ASTM D2671	>70%

