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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,

**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**

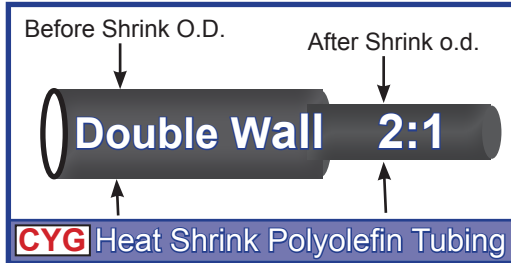
**CYG-RSF, Heat Shrink Fiber Tubing**

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

# CB-DWT DATA SHEET

## PREMIUM DOUBLE WALL with ADHESIVE LINER Heat Shrink Tubing

CB-DWT (Premium) is a high quality adhesive-lined, flexible, flame-retardant polyolefin heat shrinkable dual-wall tubing. This tubing has good mechanical strength, oil resistance and bio resistance when used for extreme environments and specialized protection. Also available in 3:1 shrink ratios Standards: UL224 and SAE-AMS-DTL23053/4, F mark, Sony Green Partner



### APPLICATIONS

CB-DWT is double walled with an adhesive liner that forms an air, moisture and vapor barrier to protect connections, wire and cabling from corrosion in harsh environments. Used in outdoor, underwater, underground or toxic atmospheres. Ideal in industrial, marine, aerospace, chemical and automotive applications.

### 2 to 1 Shrink Ratio

Premium Series Part Number	Before Shrink (mm) Inside Dia.	Wall Thick	After Shrink (mm) Inside Dia.	Wall Thick	Adhesive Thick	Inch Eqiv.	Reel Meters
CB-DWT-1.2-2	≥ 1.20	0.30	≤ 0.60	0.45 ± 0.12	0.20	.005	200
CB-DWT-1.6-2	≥ 1.60	0.30	≤ 0.80	0.45 ± 0.12	0.20	.062	200
CB-DWT-2.4-2	≥ 2.40	0.35	≤ 1.20	0.55 ± 0.12	0.30	.094	200
CB-DWT-3.2-2	≥ 3.20	0.40	≤ 1.60	0.60 ± 0.15	0.30	.125	200
CB-DWT-4.7-2	≥ 4.80	0.40	≤ 2.40	0.75 ± 0.15	0.35	.187	200
CB-DWT-6.4-2	≥ 6.40	0.40	≤ 3.20	0.75 ± 0.15	0.35	.250	100
CB-DWT-7.9-2						.312	100
CB-DWT-9.5-2	≥ 9.50	0.40	≤ 4.80	0.80 ± 0.20	0.35	.375	100
CB-DWT-12.7-2	≥ 12.70	0.40	≤ 6.40	0.80 ± 0.20	0.35	.500	50
CB-DWT-15.9-2						.625	50
CB-DWT-19.1-2	≥ 19.10	0.50	≤ 9.50	0.95 ± 0.28	0.40	.750	50
CB-DWT-25.4-2	≥ 25.40	0.50	≤ 12.70	1.15 ± 0.28	0.45	1.00	50

Other sizes available on request. Available in Black, Red, Yellow, Green

### Technical Information

Attribute	Test Method	Specifications
Shrink Temperature	UL224	110°C
Operating Temperature Range	UL224	-40°C-125°C
Radial Shrink Ratio	UL224	>50%
Longitudinal Change	UL224	<10%
Tensile Strength	ASTM D2671	>10.4 MPa
Elongation at Break	ASTM D2671	>200%
Aging in Circulation Air Oven	158°C +/- 1.0°C, 168 Hrs	
Tensile Strength after Aging	ASTM D2671	>7.3 MPa
Elongation at Break after Aging	ASTM D2671	>100%
Volume Resistance	ASTM D876	>1.0 x 10 <sup>12</sup> Ω/cm
Dielectric Strength	UL224 AC2500V, 1min	No Breakdown
Flammability	UL224	VW-1
Water Absorption	ASTMD570	<0.4%
Fluid Resistance	UL224	Excellent
Copper Corrosion	UL224	No Corrosion
Softening Point of Liner	Company Standard	85°C +/-5°C
Peel Strength of Liner	ASTM D2671	>80N/25mm

