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

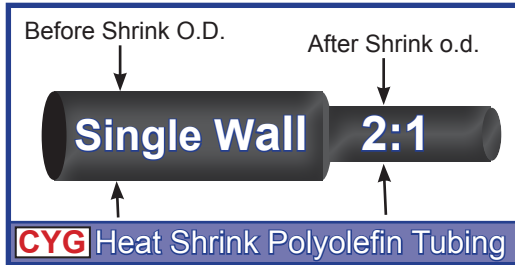
CB-1000 DATA SHEET

PREMIUM SERIES HEAT-SHRINKABLE TUBING CROSS LINKED FOR AUTOMOTIVE APPLICATIONS

CB-1000 is a low-smoking halogen-free polyolefin cross-linked heat shrinkable tubing that is designed to meet the specialized requirements of the automotive industry. It has good resistance to oil and is an excellent insulator. Certificates: UL, CUL, F-mark, Sony Green Partner Standards: UL224, AMS-DTL-23053/5

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,



APPLICATIONS

This material is very flexible and has excellent mechanical strength, so it is suitable for a wide range of applications including automotive oil tubes, electronic insulation, wire protection, and any place protection is needed in extreme environments. Approved by US Army.

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 Equiv	Wall Thickness	Reel Meters
	Min Inside Dia.	Max Inside Dia.			
CB-1000-101-1.17-B	≥ 1.20	≤ 0.60	.024	0.41 ± 0.08	200
CB-1000-102-1.60-B	≥ 1.60	≤ 0.80	.031	0.43 ± 0.08	200
CB-1000-103-2.36-B	≥ 2.40	≤ 1.20	.047	0.51 ± 0.08	200
CB-1000-104-3.18	≥ 3.20	≤ 1.60	.063	0.51 ± 0.08	100
CB-1000-105-4.75	≥ 4.80	≤ 2.40	.094	0.51 ± 0.08	100
CB-1000-106-6.35	≥ 6.40	≤ 3.20	.126	0.64 ± 0.08	100
CB-1000-107-9.53	≥ 9.50	≤ 4.70	.185	0.64 ± 0.08	100
CB-1000-108-12.7	≥ 12.70	≤ 6.40	.252	0.64 ± 0.08	100
CB-1000-109-19.1	≥ 19.10	≤ 9.53	.375	0.76 ± 0.08	100
CB-1000-110-25.4	≥ 25.40	≤ 12.70	.500	0.89 ± 0.13	100
CB-1000-111-38.1	≥ 38.10	≤ 19.10	.752	1.02 ± 0.15	100
CB-1000-112-50.8	≥ 50.80	≤ 25.40	1.00	1.14 ± 0.18	100

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 ¹² Ω/cm
Dielectric Strength	UL224 AC2500V, 1min	No Breakdown
Heat Shock	UL224	No Cracking
Flammability	UL224	VW-1
Concentricity	ASTM D2671	>70%
Color		Black

