

Part Number CB-HFTYG

Header CB-HFTYG Yellow-Green Polyolefin Heat Shrink

Description Thermosleeve USA CB-HFTYG, is a flexible, flame-retardant polyolefin heat-shrinkable tubing. The typical electrical applications include insulating light duty harnesses, identifying and marking grounding cables and connectors. CB-HFTYG has a minimum shrink temperature rating of 90 degrees C (194 degrees F).

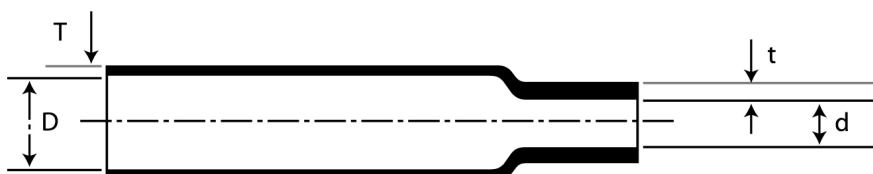
Agency Approval & Compliance UL, CUL, ROHS, Halogen free, Flame Retardant, F Mark, UL224, REACH, VW1

Application CB-HFTYG is used primarily for ground wire identification and has a green stripe printed on the yellow outer jacket signifying the standard electrical marking for ground or earth. CB-HFTYG is resistant to common fluids and solvents.

Shrink Ratio and Operating Temperature CB-HFTYG has a 2:1 shrink ratio and when fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter. The tubing's wall thickness will also change proportionally to the degree of recovery.

Operating temperature range is from -55 degree C to 125 degrees C (-67 degrees F to 257 degrees F)

Standard Sizes and Dimension



Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter (D)	Wall-thickness (T)	Inside Diameter (d)	Wall-thickness (t)
Φ0.7	1.0+0.2/-0.1	0.18±0.05	≤0.45	0.32±0.08
Φ0.8	1.2+0.2/-0.1	0.18±0.05	≤0.45	0.34±0.08
Φ1.0	1.5+0.2/-0.1	0.18±0.05	≤0.60	0.36±0.08
Φ1.5	2.1+0.2/-0.1	0.18±0.05	≤0.80	0.36±0.08
Φ2.0	2.5+0.2/-0.1	0.20±0.05	≤1.00	0.42±0.08
Φ2.5	3.0+0.2/-0.1	0.22±0.05	≤1.25	0.46±0.08
Φ3.0	3.5+0.2/-0.1	0.22±0.05	≤1.50	0.46±0.08
Φ3.5	4.0+0.2/-0.1	0.22±0.05	≤1.75	0.46±0.08
Φ4.0	4.6+0.2/-0.1	0.22±0.05	≤2.00	0.46±0.08
Φ4.5	5.0+0.2/-0.1	0.23±0.05	≤2.25	0.46±0.08
Φ5.0	5.5+0.2/-0.1	0.25±0.05	≤2.50	0.50±0.08
Φ5.5	6.0+0.2/-0.1	0.25±0.05	≤2.75	0.50±0.08
Φ6.0	6.5+0.2/-0.1	0.25±0.05	≤3.00	0.55±0.10
Φ6.5	6.9+0.2/-0.1	0.25±0.05	≤3.25	0.55±0.10
Φ7.0	7.5+0.2/-0.1	0.25±0.05	≤3.50	0.55±0.10

Φ8.0	8.5+0.2/-0.1	0.28±0.06	≤4.00	0.58±0.10
Φ9.0	9.5+0.2/-0.1	0.28±0.06	≤4.50	0.58±0.10
Φ10	10.5+0.3/-0.1	0.28±0.06	≤5.00	0.58±0.10
Φ11	11.5+0.3/-0.1	0.28±0.06	≤5.50	0.58±0.10
Φ12	12.5+0.3/-0.1	0.28±0.06	≤6.00	0.58±0.10
Φ13	13.5+0.3/-0.1	0.28±0.06	≤6.50	0.58±0.10
Φ14	14.5+0.3/-0.1	0.28±0.06	≤7.00	0.58±0.10
Φ15	15.5+0.3/-0.1	0.28±0.06	≤7.50	0.58±0.10
Φ16	16.5+0.3/-0.1	0.28±0.06	≤8.00	0.58±0.10
Φ17	17.5+0.3/-0.1	0.28±0.06	≤8.50	0.58±0.10
Φ18	18.5+0.3/-0.1	0.32±0.08	≤9.00	0.68±0.10
Φ20	20.6+0.5/-0.2	0.32±0.08	≤10.0	0.68±0.10
Φ22	22.6+0.7/-0.2	0.35±0.08	≤11.0	0.72±0.12
Φ25	25.6+0.7/-0.2	0.40±0.10	≤12.5	0.78±0.12
Φ28	28.6+0.7/-0.2	0.40±0.10	≤14.0	0.78±0.12
Φ30	30.6+0.7/-0.2	0.40±0.10	≤15.0	0.82±0.12
Φ35	35.6+0.7/-0.2	0.45±0.10	≤17.5	0.92±0.12
Φ40	41.0±0.5	0.50±0.12	≤20.0	1.00±0.15
Φ45	46.0±0.5	0.50±0.12	≤22.5	1.00±0.15
Φ50	51.0±0.5	0.55±0.15	≤25.0	1.10±0.15
Φ55	55.5±1.0	0.55±0.15	≤27.5	1.10±0.15
Φ60	60.5±1.0	0.60±0.15	≤30.0	1.25±0.20
Φ70	71.0±1.0	0.60±0.15	≤35.0	1.25±0.20
Φ80	81.0±1.0	0.60±0.15	≤40.0	1.25±0.20
Φ90	91.0±1.0	0.60±0.15	≤45.0	1.25±0.20
Φ100	101.0±1.0	0.60±0.15	≤50.0	1.25±0.20

Sizes in Inches

Size	As Supplied (inch)		After Recovery (inch)	
	Inside Diameter (D)	Wall-thickness (T)	Inside Diameter (d)	Wall-thickness (t)
3/64	1.2	0.18±0.05	≤0.6	0.30±0.05
1/16	1.6	0.18±0.05	≤0.8	0.32±0.05
3/32	2.4	0.18±0.05	≤1.00	0.35±0.05
1/8	3.2	0.20±0.05	≤1.5	0.38±0.05
3/16	4.8	0.23±0.05	≤2.0	0.45±0.05

1/4	6.4	0.25±0.05	≤3.0	0.50±0.05
3/8	9.5	0.30±0.08	≤4.5	0.60±0.08
1/2	12.7	0.30±0.08	≤6.0	0.60±0.08
3/4	19.1	0.40±0.12	≤10.0	0.75±0.12
1	25.4	0.45±0.12	≤12.5	0.90±0.12
1-1/4	31.8	0.45±0.12	≤15.0	0.90±0.12
1-1/2	38.1	0.50±0.15	≤21	1.00±0.30
2	50.8	0.50±0.15	≤27	1.00±0.30
3	≥80	0.70±0.30	≤40.0	1.45±0.25
4	≥100	0.70±0.30	≤50.0	1.45±0.25

Typical Properties

Item	Specifications
Shrink Temperature (°C)	120-150
Temperature Range (°C)	125
Radial Shrinking Ratio (%)	≥50
Longitudinal Change (%)	≤5
Tensile Strength (MPa)	≥10.4
Ultimate Elongation (%)	≥200
Aging in Circulating-air Oven	158.0±1.0°C, 168hrs
Tensile Strength (MPa) - After Aging	≥7.3
Ultimate Elongation (%) - After Aging	≥100
Dielectric Voltage Withstand (V)	600
Volume Resistivity (Ω.cm)	≥10 ¹⁴ sup>
Dielectric Voltage (V) AC	AC2500V-60S, No breakdown
Dielectric Strength (kV/mm)	≤15
Flammability	VW-1
Concentricity (%)	≥65
Heat Shock	4 hr@250.0 ±1.0°C, No cracking
Cold Shock	1 hr@-30.0 ±1.0°C, No cracking
Copper Corrosion	24Hr@95%±5, 2°C, No cracking or fading
Dielectric Strength (@1min, AC2500V)	

Availability Four-foot lengths, master reels and cut pieces

Important Notice The information related to Thermosleeve-USA products both in printed or electronic format is believed to be reliable but the accuracy and completeness is not guaranteed. We suggest that before using this product, you evaluate and

12753 Moore St. Cerritos, CA 90703 **Local** (562) 404-9998 **Fax** (562) 404-9698 **Nationwide** (800) 421-3536
Order Fax (800) 421-3538 **E-mail** sales@thermosleeve-USA.com **Website** <http://www.thermosleeve-usa.com>

determine if it is suitable to your intended application. Thermosleeve-USA assumes no risk or liability associated with the use of this material. Any statements related to this product that are not contained in the current Thermosleeve-USA online or printed literature, or any contrary statements referenced on purchase order, shall have no force or effect unless expressly agreed to in writing and signed by an office of Thermosleeve-USA.

Limited Warranty/Limited Liability Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.