

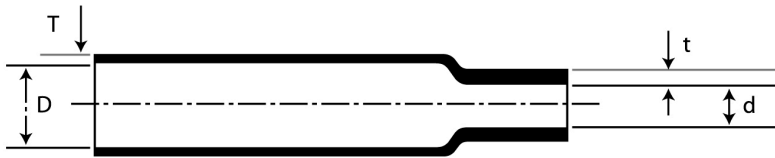
Part Number CYG-ZHP

Header CYG-ZHP Phosphorous-Free Single Wall Heat Shrink Tubing

Description CYG-ZHP is a phosphorous-free version of our CB-HFT600 which is also free of Pb,Cd, Hg,Cr+6, PBB and PBDE. CYG-ZHP can be used in any enclosed area where a flame-retardant, halogen-free environment is required. This 2X heat shrink tubing complies with EU requirements and has the same RoHS and REACH compliance as the CB-HFT 600.

Agency Approval & Compliance UL, CUL, RoHS, Halogen Free, Flame Retardant, FMark, UL224, REACH, VW1

Application CYG-ZHP can be used in any enclosed area where a flame-retardant, halogen-free environment is required.

Shrink Ratio and Operating Temperature
Size


Size (mm)	As Supplied (mm)		After Recovery (mm)		Package Length (Mt/Roll)
	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	400
Φ0.8	1.2+0.2/-0.1	0.18±0.05	≤0.45	0.34±0.08	300
Φ1.0	1.5+0.2/-0.1	0.18±0.05	≤0.60	0.36±0.08	200
Φ1.5	2.1+0.2/-0.1	0.18±0.05	≤0.80	0.36±0.08	200
Φ2.0	2.5+0.2/-0.1	0.20±0.05	≤1.00	0.42±0.08	200
Φ2.5	3.0+0.2/-0.1	0.22±0.05	≤1.25	0.46±0.08	200
Φ3.0	3.5+0.2/-0.1	0.22±0.05	≤1.50	0.46±0.08	200
Φ3.5	4.0+0.2/-0.1	0.22±0.05	≤1.75	0.46±0.08	200
Φ4.0	4.6+0.2/-0.1	0.22±0.05	≤2.00	0.46±0.08	200
Φ4.5	5.0+0.2/-0.1	0.23±0.05	≤2.25	0.46±0.08	100
Φ5.0	5.5+0.2/-0.1	0.25±0.05	≤2.50	0.50±0.08	100
Φ5.5	6.0+0.2/-0.1	0.25±0.05	≤2.75	0.50±0.08	100
Φ6.0	6.5+0.2/-0.1	0.25±0.05	≤3.00	0.55±0.10	100
Φ6.5	6.9+0.2/-0.1	0.25±0.05	≤3.25	0.55±0.10	100
Φ7.0	7.5+0.2/-0.1	0.25±0.05	≤3.50	0.55±0.10	100
Φ8.0	8.5+0.2/-0.1	0.28±0.06	≤4.00	0.58±0.10	100
Φ9.0	9.5+0.2/-0.1	0.28±0.06	≤4.50	0.58±0.10	100
Φ10	10.5+0.3/-0.1	0.28±0.06	≤5.00	0.58±0.10	100
Φ11	11.5+0.3/-0.1	0.28±0.06	≤5.50	0.58±0.10	100

Φ12	12.5+0.3/-0.1	0.28±0.06	≤6.00	0.58±0.10	100
Φ13	13.5+0.3/-0.1	0.28±0.06	≤6.50	0.58±0.10	100
Φ14	14.5+0.3/-0.1	0.28±0.06	≤7.00	0.58±0.10	100
Φ15	15.5+0.3/-0.1	0.28±0.06	≤7.50	0.58±0.10	100
Φ16	16.5+0.3/-0.1	0.28±0.06	≤8.00	0.58±0.10	100
Φ17	17.5+0.3/-0.1	0.28±0.06	≤8.50	0.58±0.10	100
Φ18	18.5+0.3/-0.1	0.32±0.08	≤9.00	0.68±0.10	100
Φ20	20.6+0.5/-0.2	0.32±0.08	≤10.0	0.68±0.10	100
Φ22	22.6+0.7/-0.2	0.35±0.08	≤11.0	0.72±0.12	100
Φ25	25.6+0.7/-0.2	0.40±0.10	≤12.5	0.78±0.12	50
Φ28	28.6+0.7/-0.2	0.40±0.10	≤14.0	0.78±0.12	50
Φ30	30.6+0.7/-0.2	0.40±0.10	≤15.0	0.82±0.12	50
Φ35	35.6+0.7/-0.2	0.45±0.10	≤17.5	0.92±0.12	25
Φ40	41.0±0.5	0.50±0.12	≤20.0	1.00±0.15	25
Φ45	46.0±0.5	0.50±0.12	≤22.5	1.00±0.15	25
Φ50	51.0±0.5	0.55±0.15	≤25.0	1.10±0.15	25
Φ55	55.5±1.0	0.55±0.15	≤27.5	1.10±0.15	25
Φ60	60.5±1.0	0.60±0.15	≤30.0	1.25±0.20	25
Φ70	71.0±1.0	0.60±0.15	≤35.0	1.25±0.20	25
Φ80	81.0±1.0	0.60±0.15	≤40.0	1.25±0.20	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
Dielectric Voltage (V) AC	≥AC 2500V-60S, no breakdown

Item	Specifications
Dielectric Strength (kV/mm)	≥15.0
Flammability	VW-1
Concentricity (%)	≥65
Heat Shock	4 hours at 250.0 ± 1.0 °C, No cracking
Heat Shock	4 hours at 250.0 ± 1.0 °C, No cracking
Cold Bend	1 hour at -30 ± 1.0 °C, No cracking
(Copper Corrosion)	24 hours at (95±5)%, 2°C, No cracking, No fade

Availability Four-foot lengths, One hundred foot mini reels, master reels and cut pieces

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