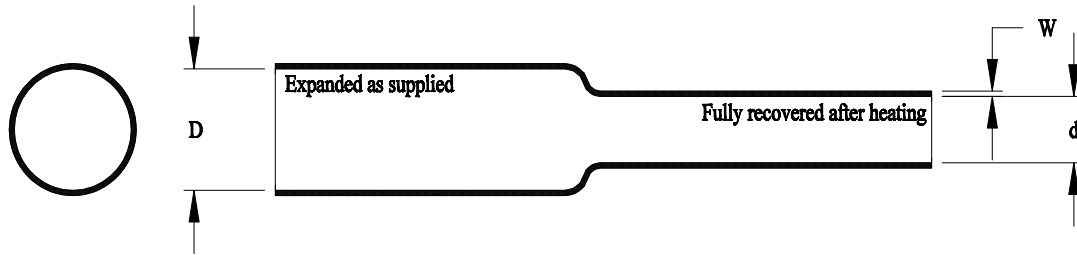



**CGPE - 105**  
**Flexible, Commercial Grade, Polyolefin,**  
**Heat - Shrinkable Tubing**



**Table 1: Dimensions**

Size	As Supplied		Recovered							
	Inside Diameter Minimum (D)		Inside Diameter Maximum (d)		Wall Thickness (W)					
	in.	mm	in.	mm	Minimum		Maximum		Nominal	
					in.	mm	in.	mm	in.	mm
3/64	.046	1.17	.023	0.58	.013	0.33	.019	0.48	.016	0.40
1/16	.063	1.60	.031	0.79	.014	0.35	.020	0.50	.017	0.43
3/32	.093	2.36	.046	1.17	.017	0.43	.023	0.58	.020	0.50
1/8	.125	3.17	.062	1.57	.017	0.43	.023	0.58	.020	0.50
3/16	.187	4.74	.093	2.36	.017	0.43	.023	0.58	.020	0.50
1/4	.250	6.35	.125	3.17	.022	0.56	.028	0.71	.025	0.64
3/8	.375	9.50	.187	4.74	.022	0.56	.028	0.71	.025	0.64
1/2	.500	12.70	.250	6.35	.022	0.56	.028	0.71	.025	0.64
3/4	.750	19.05	.375	9.50	.027	0.69	.033	0.84	.030	0.76
1	1.000	25.40	.500	12.70	.030	0.76	.040	1.01	.035	0.88
1-1/2	1.500	38.10	.750	19.05	.034	0.86	.046	1.17	.040	1.01
2	2.000	50.80	1.000	25.40	.038	0.96	.052	1.32	.045	1.14

**CUSTOMER DRAWING**

			<b>Raychem Tubing</b>	<b>Title: CGPE - 105 Flexible, Commercial Grade, Polyolefin, Heat - Shrinkable Tubing</b>		
Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.			Document No : <b>CGPE-105</b>			
Cage Code: 06090	Scale: None	Size: A	Rev. Date: 21-Jun13	Rev.: D	Sheet: 1 of 2	

**Table 2: Properties**

Property	Unit	Requirements	Test Method <sup>1</sup>
*Dimensions	Inches	Table 1	ASTM D 2671
*Tensile Strength	psi	1800 minimum	ASTM D 2671 20 in./min.
*Ultimate Elongation	Percent	200 minimum	ASTM D 2671 20 in./min.
*Longitudinal Change	Percent	0 to -10	ASTM D 2671
Secant Modulus	psi	25,000 maximum	ASTM D 2671
Specific Gravity	--	1.0 maximum	ASTM D 792
Low Temperature Flexibility, 4 hr./-70°C Followed by mandrel bend (Use mandrels sizes per TUS-30-3019)	--	No Cracking	ASTM D 2671 Procedure C
*Heat Shock, 4 hr./200°C Followed by visual inspection	--	No Dripping, Flowing or Cracking	ASTM D 2671
Corrosion, Copper Contact 16 hr./125°C	--	No Pitting or Blackening of Copper	ASTM D 2671 Procedure B
Heat Resistance, 168 hr./125°C Followed by Ultimate Elongation	Percent	100 minimum	ASTM D 2671 20 in./min.
Dielectric Strength	V/mil	500 minimum	ASTM D 2671

\*Acceptance Test

- 1) When testing requiring fully recovered specimens, recover the specimens for 3 minutes @ 200°C.

**CUSTOMER DRAWING**

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