



CGPT

General purpose, flame-retardant*, polyolefin tubing



Applications

CGPT is a tough, flexible, general purpose polyolefin tubing with good resistance to common fluids and solvents and a high dielectric strength. Its unique blend of chemical, electrical, and physical properties makes it suitable for a wide range of applications, including electrical insulation, strain relief, cable bundling, color-coding and identification of wires, cables, pipes, and electrical and electronic components, and mechanical protection.

Features and benefits

- 2:1 and 3:1 shrink ratio.
- Very good chemical and solvent resistance.
- Flexible.
- Excellent physical and electrical performance.

Installation

Minimum shrink temperature: 80°C

Minimum full recovery temperature: 120°C

Operating temperature range

-40°C to 135°C

Available in:

Americas

Europe

Asia Pacific



Specifications/approvals

Series	UL	CSA	Raychem
CGPT	E35586 600 V, 125°C	LR3 1929* 600 V, 125°C	RW-2059

*The clear product (-X) is not flame-retardant.

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Inside diameter		Recovered wall thickness**	
	Minimum expanded as supplied		Maximum recovered after heating	After heating
2:1				
1.2/0.6	1.2 (0.047)		0.6 (0.024)	0.45 ± 0.12 (0.018 ± 0.005)
1.6/0.8	1.6 (0.062)		0.8 (0.031)	0.45 ± 0.12 (0.018 ± 0.005)
2.4/1.2	2.4 (0.093)		1.2 (0.046)	0.50 ± 0.12 (0.019 ± 0.005)
3.2/1.6	3.2 (0.125)		1.6 (0.062)	0.50 ± 0.12 (0.019 ± 0.005)***
4.8/2.4	4.8 (0.187)		2.4 (0.093)	0.50 ± 0.12 (0.019 ± 0.005)***
6.4/3.2	6.4 (0.250)		3.2 (0.125)	0.65 ± 0.15 (0.026 ± 0.006)***
9.5/4.8	9.5 (0.375)		4.8 (0.187)	0.65 ± 0.15 (0.026 ± 0.006)***
12.7/6.4	12.7 (0.500)		6.4 (0.250)	0.65 ± 0.15 (0.026 ± 0.006)***
19/9.5	19.0 (0.748)		9.5 (0.375)	0.75 ± 0.15 (0.029 ± 0.006)***
25.4/12.7	25.4 (1.000)		12.7 (0.500)	0.90 ± 0.20 (0.035 ± 0.008)***
32/16	32 (1.250)		16 (0.629)	0.95 ± 0.20 (0.037 ± 0.008)***
38/19	38.0 (1.496)		19.0 (0.748)	1.00 ± 0.20 (0.039 ± 0.008)***
51/26	51.0 (2.000)		26 (1.00)	1.15 ± 0.25 (0.045 ± 0.010)
76/38	76.0 (2.992)		38.0 (1.496)	1.25 ± 0.25 (0.049 ± 0.010)
102/51	102.0 (4.016)		51.0 (2.008)	1.40 ± 0.30 (0.055 ± 0.012)
3:1				
1.5/0.5	1.5 (0.059)		0.5 (0.020)	0.45 ± 0.12 (0.018 ± 0.005)***
3/1	3.0 (0.118)		1.0 (0.040)	0.55 ± 0.12 (0.022 ± 0.005)***
6/2	6.0 (0.236)		2.0 (0.079)	0.65 ± 0.12 (0.026 ± 0.005)***
9/3	9.0 (0.354)		3.0 (0.118)	0.75 ± 0.15 (0.030 ± 0.006)***
12/4	12.0 (0.472)		4.0 (0.157)	0.75 ± 0.15 (0.030 ± 0.006)***
18/6	18.0 (0.709)		6.0 (0.236)	0.85 ± 0.15 (0.033 ± 0.006)***
24/8	24.0 (0.945)		8.0 (0.315)	1.00 ± 0.20 (0.039 ± 0.008)***
39/13	39.0 (1.540)		13.0 (0.519)	1.15 ± 0.25 (0.045 ± 0.010)

**Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering information

Color	Standard	Black (-0), white (-9), red (-2), blue (-6), yellow (-4), green (-5), clear (-X), yellow/green (-45) as indicated above by an ***
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.	
Standard packaging****	On spools.	
Ordering description	Specify product name, size and color (for example, CGPT 4.8/2.4-0).	

**** Available in the convenient RaySpool packaging/dispensing system for sizes

2:1 2.4/1.2 up to 25.4/12.7

3:1 3/1 up to 24/8

Users should independently evaluate the suitability of the product for their application.
Before ordering check with factory for most current data.