

General purpose, flame retarded, polyolefin heat-shrinkable tubing.

Very good chemical and solvent resistance, wide range of colors including green/yellow stripes, flexible, excellent physical and electrical performance.

CGPT is a tough, flexible, general purpose polyolefin tubing with good resistance to common fluids and solvents and a high dielectric strength.

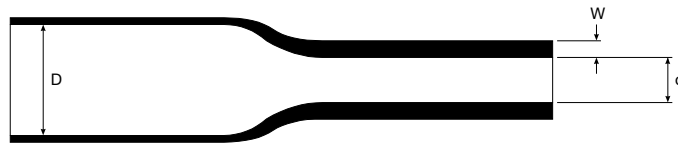
Available in 2:1 and 3:1 shrink ratios its unique blend of chemical, electrical and physical properties makes it suitable for a wide range of applications including electrical insulation, strain relief, cable bundling,

color coding and identification of wires, cables, pipes and electrical and electronic components and mechanical protection.

Temperature rating

Operating temperature range:	-40°C to +135°C
Minimum shrink temperature:	+80°C
Minimum full recovery temperature:	+120°C

Ordering information



	Inside diameter		Wall thickness	Standard package	
	D (min) Expanded as supplied mm	d (max) Recovered after heating mm	W (nom) Recovered after heating mm	Spool quantity m	Ordering description
2:1 Shrink ratio	1.2	0.6	0.45	300	CGPT-1.2/0.6-color code
	1.6	0.8	0.45	300	CGPT-1.6/0.8-color code
	2.4	1.2	0.50	150	CGPT-2.4/1.2-color code
	3.2	1.6	0.50	150	CGPT-3.2/1.6-color code†
	4.8	2.4	0.50	150	CGPT-4.8/2.4-color code†
	6.4	3.2	0.65	75	CGPT-6.4/3.2-color code†
	9.5	4.8	0.65	121	CGPT-9.5/4.8-color code-FSP*†
	12.7	6.4	0.65	91	CGPT-12.7/6.4-color code-FSP*†
	19.0	9.5	0.75	60	CGPT-19/9.5-color code-FSP*†
	25.4	12.7	0.90	60	CGPT-25.4/12.7-color code-FSP*†
	32.0	16.0	0.95	30	CGPT-32/16-color code†
	38.0	19.0	1.00	30	CGPT-38/19-color code†
3:1 Shrink ratio	51.0	25.4	1.15	30	CGPT-51/25.4-color code
	76.0	38.0	1.25	15	CGPT-76/38-color code
	102.0	51.0	1.40	15	CGPT-102/51-color code
	1.5	0.5	0.45	300	CGPT-1.5/0.5-color code
	3.0	1.0	0.55	150	CGPT-3/1-color code
	6.0	2.0	0.65	75	CGPT-6/2-color code
	9.0	3.0	0.75	75	CGPT-9/3-color code
	12.0	4.0	0.75	75	CGPT-12/4-color code
	18.0	6.0	0.85	75	CGPT-18/6-color code
	24.0	8.0	1.00	30	CGPT-24/8-color code
	39.0	13.0	1.15	30	CGPT-39/13-color code

*Material supplied on Flat Spooled Packaging (FSP) as standard.

Standard colors

Standard color	Black	Red	Yellow	Green
Code	0	2	4	5
Standard color	Blue	White	Clear	Green/Yellow stripes (sizes marked†)
Code	6	9	X	45
Non Standard color	Brown	Orange	Violet	Grey
Code	1	3	7	8

Approvals

* UL File E35586

* CSA LR31929

* Not clear product (X).

Performance

Test	Test method	Test requirement
Heat ageing:	ISO188 (168 h at 150°C)	Ultimate elongation: 150% (min)
Corrosion resistance:	ASTM D2671 (16h at 175°C)	No corrosion of mirrors
Dielectric strength:	IEC 243	$\varnothing \leq 25.4$ 20 MV/m $\varnothing > 25.4$ 10 MV/m
*Flame retardancy:	ASTM D2671 (Procedure B) UL 224 (All tube flame test)	Duration of burning 60s max.
Fluid resistance:	24 h at 23°C, ISO 37	Tensile strength: 5 MPa (min) Ultimate elongation: 175% (min)
	Test fluids:	Petrol (100 octane) Lubricating oil (0.148) Hydraulic fluid (H515)

* Not clear product (X).

Specifications

Raychem Specification RW 2059.

Material Safety Data Sheet available on request.

Installation instructions available on request.

Raychem and CGPT are trademarks of Tyco Electronics Corporation.

Users should independently evaluate the suitability of the product for their application.

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