

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.

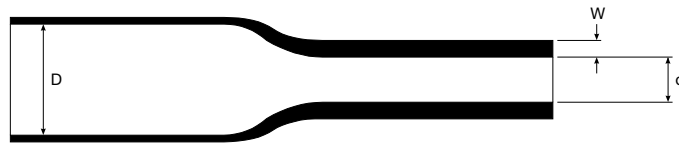
Available in 2:1 and 3:1 shrink ratios its unique blend of chemical, electrical and physical properties makes it suitable for a wide range of applications including electrical insulation, strain relief, cable bundling,

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	Ordering description
	D (min) Expanded as supplied mm	d (max) Recovered after heating mm	W (nom) Recovered after heating mm	Spool quantity m	
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*†
3:1 Shrink ratio	32.0	16.0	0.95	30	CGPT-32/16-color code†
	38.0	19.0	1.00	30	CGPT-38/19-color code†
	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	Ø ≤ 25.4 20 MV/m Ø > 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.

Tyco Electronics Corporation
300 Constitution Drive
Menlo Park, CA 94025-1164
USA
Tel: (800) 926-2425 (US & Canada)
Tel: +1 (650) 361-3860 (All other countries)

Tyco Electronics UK Ltd.
Faraday Road
Dorcan, Swindon, SN3 5HH
United Kingdom
Tel: +44 1793 528171

Tyco Electronics Raychem K.K.
3816 Noborito, Tama-ku
Kawasaki, Kanagawa 214-8533
Japan
Tel: +81 44 900 5102

Tyco Electronics Singapore Pte Ltd.
Asia Pacific Headquarters
26 Ang Mo Kio, Industrial Park 2
Singapore 569507
Tel: +65 4866 151

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics Corporation makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Tyco Electronics Corporation's only obligations are those in the Standard Terms and Conditions of Sale for these products and in no case will Tyco Electronics Corporation be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Tyco Electronics Corporation's Specifications are subject to change without notice. In addition, Tyco Electronics Corporation reserves the right to make changes in materials or processing without notification to the Buyer which do not affect compliance with any applicable specification.

For more information about this product visit www.tycoelectronics.com and www.raychem.com