

- High strength bonding
- Moisture proof
- Environmental sealing
- 3:1 shrink ratio

CGAT

Adhesive lined polyolefin
heat-shrinkable tubing

Raychem

CGAT is a flexible polyolefin heat-shrinkable tubing with an inner meltable adhesive lining. It is ideal for the

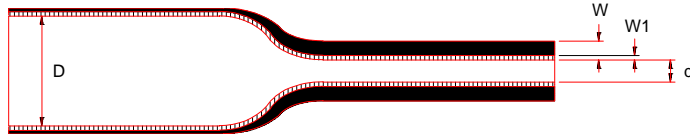
environmental protection of electrical components and the sealing of connectors.

Typical applications are environmental sealing for electrical components, wire breakouts and cable jackets.

Temperature rating

Operating temperature range:	-30°C to +80°C
Minimum shrink temperature:	+80°C
Minimum full recovery temperature:	+115°C

Ordering information



Inside diameter		Wall thickness			Standard package	
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Recovered after heating Black	Clear	W1 (nom) Meltable wall recovered after heating	1.22m length quantity	Ordering description
mm	mm	mm	mm	mm	m	
3.0	1.0	1.00	1.00	0.5	30	CGAT-3/1-colour code
6.0	2.0	1.00	1.00	0.5	30	CGAT-6/2-colour code
9.0	3.0	1.35	1.40	0.6	30	CGAT-9/3-colour code
12.0	4.0	1.50	1.78	0.7	30	CGAT-12/4-colour code
18.0	6.0	1.70	2.25	0.8	30	CGAT-18/6-colour code
24.0	8.0	1.95	2.54	1.0	30	CGAT-24/8-colour code
39.0	13.0	2.10	2.54	1.0	12	CGAT-39/13-colour code

Standard colours

Colour	Black	Clear
Code	0	X

CGAT

Approvals

UL E 85381

Performance

Test	Test method	Test requirement
Tensile strength:	ISO 37	9 MPa (min)
Ultimate elongation:	ISO 37	200% (min)
Heat shock:	4 h at 150°C	Pass - no dripping, cracking or flowing of outer wall
Heat ageing:	168 h at 125°C	Pass - no dripping, cracking or flowing of outer wall
Low temperature flexibility:	4 h at -55°C	Pass - no cracking
Dielectric strength:	IEC 243	12 MV/m (min)
Fluid resistance:	24 h at 23°C, ISO 37	Tensile strength: 5 MPa (min) Ultimate elongation: 200% (min)
	Test fluids:	Petrol 100 octane Engine oil (SAE 20W/50) Hydraulic fluid (SAE J1703)

For full product performance details consult Raychem Specification RW 2050.

Specifications

Raychem Specification RW 2050.

Material Safety Data Sheet available on request.

Installation instructions available on request.

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Tyco/Electronics/Raychem
306 Constitution Drive
Menlo Park, CA 94025
U.S.A
Tel: (650)-361 3333

Tyco/Electronics/Raychem
Cheney Manor Industrial Estate
Swindon, Wiltshire SN2 2QE
UK
Tel: (44)-1793 573762

Tyco/Electronics/Raychem
3816 Noborito, Tama-ku
Kawasaki 214-8533
Japan
Tel: (81)-44 9005102

Tyco/Electronics/Raychem
No. 26 Ang Mo Kio Ind. Park
Singapore 569507
Tel: (65)-4866151