

- Excellent mechanical strength
- Excellent abrasion resistance
- Excellent optical clarity
- Environmental sealing
- Shrink ratio 4:1

DWTC

Flexible, dual wall, moisture proof, heat-shrinkable tubing

Raychem DWTC is a flexible, heat-shrinkable, dual wall tubing with an integrally bonded meltable adhesive inner liner designed to offer moisture proof encapsulation to a wide variety of substrates. Available in clear, DWTC

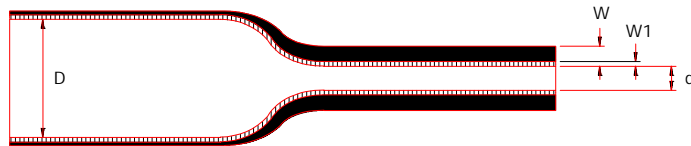
offers excellent clarity for protection of substrates that may need to be inspected during service. The tough outer jacket gives excellent mechanical strength with a high resistance to splitting.

The high shrinkage ratio means that only four sizes are needed to give protection to a full range of irregular shapes with widely varying dimensions.

Temperature rating

Operating temperature range	-55°C to +75°C
Minimum recovery temperature	+100°C

Ordering information



Inside diameter		Wall thickness		Standard package	
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Total wall recovered after heating	W1 (nom) Meltable wall recovered after heating	1.2 m length quantity	Ordering description
mm	mm	mm	mm	m	
4.0	1.0	0.8	0.25	36	DWTC-4/1-X
8.0	2.0	0.9	0.25	36	DWTC-8/2-X
12.0	3.0	1.2	0.40	24	DWTC-12/3-X
16.0	4.0	1.5	0.50	24	DWTC-16/4-X

The largest size that will recover snugly over the component to be covered should be ordered.
The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.
Other lengths and sizes are available subject to special order.

Standard colours

Colour	Clear
Code	X

DWTC

Performance

Test	Test method	Test requirement
Tensile strength:	ISO 37	20 MPa (min)
Ultimate elongation:	ISO 37	250% (min)
Inner wall adhesion: DWTC to aluminium		60 N/25 mm (min)
Heat shock:	4 h at 200°C	Pass - no dripping, cracking or flowing of outer wall
Heat ageing:	168 h at 120°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	20 MV/m (min)
Fluid resistance:	24 h at 23°C, ISO 37	Tensile strength: 15 MPa (min) Ultimate elongation: 200% (min)
	Test fluids:	Diesel fuel (BS 2869 Class A1) Hydraulic fluid (H-515) Lubricating oil (O-149)

For full product performance details consult Raychem Specification RK 6204.

Specifications

Raychem Specification RK 6204.

Installation instructions available on request.

Material Safety Data Sheet available on request.

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