tyco
Electronics

LSTT

Raychem

Low shrink temperature polyolefin heat-shrinkable tubing.

Rapid recovery at low temperatures, can be used with temperature sensitive materials, 2:1 shrink ratio, excellent physical and electrical performance.

LSTT is a highly flexible, low shrink temperature heat-shrinkable tubing. Easy to handle and install, its low shrink temperature offers exceptionally fast recovery for maximum efficiency in high v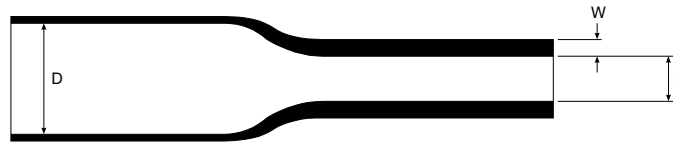olume commercial applications and makes it suitable for use on or near delicate temperature sensitive materials eg. PVC jacketed wire and cable. The material contains no known halogens.Although not flame retarded, LSTT meets the automotive flame propagation standard MVSS 302. LSTT gives good physical and electrical performance. Typical applications are electrical termination insulation, color coding, covering of heat sensitive devices, cosmetic coverings and mechanical protection.

Temperature rating

Operating temperature range:	-40°C to +125°C
Minimum shrink temperature:	+65°C
Minimum full recovery temperature:	+110°C

Ordering information

Inside diameter		Wall thickness	Standard package	
D (min)	d (max)	W (nom)		
Expanded as supplied	Recovered after heating	Recovered after heating	Spool quantity	
mm	mm	mm	m	Ordering description
1.6	0.8	0.50	300	LSTT-1.6-color code
2.4	1.2	0.55	150	LSTT-2.4-color code
3.2	1.6	0.55	150	LSTT-3.2-color code
4.8	2.4	0.55	150	LSTT-4.8-color code
6.4	3.2	0.65	75	LSTT-6.4-color code
9.5	4.8	0.65	75	LSTT-9.5-color code
12.7	6.4	0.65	75	LSTT-12.7-color code
19.0	9.5	0.80	75	LSTT-19-color code
25.4	12.7	0.95	30	LSTT-25.4-color code
32.0	16.0	1.05	30	LSTT-32-color code
38.0	19.0	1.05	30	LSTT-38-color code
52.0	26.0	1.30	30	LSTT-52 available in black only

Standard colors

Standard color	Black	Red	Yellow	Blue	White
Code	0	2	4	6	9

Non Standard color	Green	Grey	Clear
Code	5	8	X

Performance

Test	Test method	Test requirement	
Heat Ageing:	ISO 188 (168h at 125°C)	Tensile strength: Ultimate elongation:	15 MPa (min) 300% (min)
Corrosion resistance:	ASTM D2671 (16h at 150°C)	No corrosion of mirrors	
Flame retardancy:	MVSS 302	100 mm/min (max)	
Fluid resistance:	24 h at 23°C, ISO 37 Ultimate elongation	Tensile strength:	15 MPa (min) 200% (min)
		Hydraulic fluid (J1703) Battery acid Anti freeze	

For full product performance details consult Raychem Specification RW 2051.
To ensure dimensional stability, LSTT should be stored at temperatures not exceeding 40°C.

Specifications

Raychem specification RW 2051.
Material Safety Data Sheet available on request.
Installation instructions available on request.

Raychem and LSTT are trademarks of Raychem Interconnect, a division of Tyco Electronics Corporation.

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

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