

- Strain relief
- Expansion ratio as high as 3:1
- Available in flame retarded material
- Medium and thick-wall insulation
- Abrasion protection

SST/SST-FR
Adhesive sealing
heat-shrinkable tubing

Raychem

Adhesive sealing tubing (SST) and flame retarded adhesive sealing tubing (SST-FR) provide a simple, positive splice-sealing method that offers greater protection under adverse environmental conditions.

Supplied with standard sealant, the tubing provides waterproofing and environmental protection in underwater or underground applications. Supplied with thermoplastic adhesive, the tubing not only waterproofs, but also provides

mechanical strain relief. The tubing has excellent insulating, abrasion-resisting and strain-relief properties.

Ordering information



Internal diameter		d (max) Recovered after heating		W (nom) Total wall recovered after heating		Standard length (nom)	Size description
D (min) Expanded as supplied							
mm	inches	mm	inches	mm	inches	inches	
7.7	(0.3)	2.6	(0.1)	1.5	(0.06)	6	SST-03
10.2	(0.4)	3.9	(0.15)	1.5	(0.06)	6	SST-04
19.1	(0.75)	5.6	(0.22)	1.5	(0.06)	6, 12	SST-07M
19.1	(0.75)	5.6	(0.22)	2.4	(0.09)	6, 12	SST-07
27.9	(1.1)	9.5	(0.38)	2.8	(0.11)	6, 12	SST-11M
27.9	(1.1)	9.5	(0.38)	3.0	(0.12)	6, 12	SST-11
33.1	(1.3)	9.6	(0.38)	2.7	(0.11)	6, 12	SST-13M
33.1	(1.3)	9.6	(0.38)	3.0	(0.12)	6, 12	SST-13
38.1	(1.5)	12.7	(0.5)	3.0	(0.12)	6, 12	SST-15M
38.1	(1.5)	12.7	(0.5)	3.6	(0.14)	6, 12	SST-15
43.2	(1.7)	12.7	(0.5)	3.0	(0.12)	6, 12	SST-17M
43.2	(1.7)	12.7	(0.5)	3.6	(0.14)	6, 12	SST-17
50.8	(2.0)	19.1	(0.75)	3.0	(0.12)	6, 12	SST-20M
50.8	(2.0)	19.1	(0.75)	3.9	(0.15)	12	SST-20
68.6	(2.7)	22.9	(0.9)	3.9	(0.15)	12, 18, 24	SST-27
76.2	(3.0)	31.8	(1.25)	3.9	(0.15)	24	SST-30
101.6	(4.0)	44.5	(1.75)	3.9	(0.15)	24	SST-40
114.3	(4.5)	44.5	(1.75)	3.9	(0.15)	12, 18, 24	SST-45

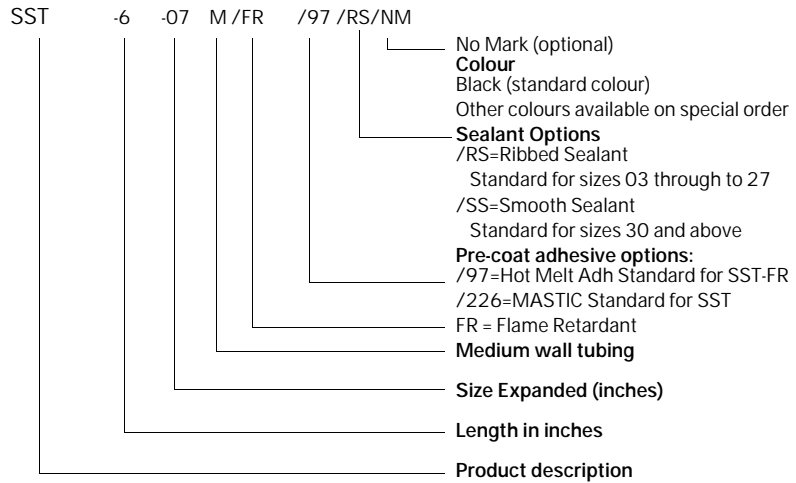
'M' suffix denotes medium wall availability.

Dimensions apply to uncoated tubing. Allow approximately 1.3 mm for coating.

Tubing with sealant on ends only, without sealant, or of non-standard lengths is available subject to special order.

SST/SST-FR

Ordering example:



Ordering example: SST-6-07M/FR/RS/NM
SST-24-45/97/SS

Temperature rating

Operating temperature range: -55°C to +90°C
Minimum recovery temperature: +120°C

Specifications

Type	Raychem
SST-FR	RW 2011
SST	RW 2011
/226 (S-1278)	RW 2020
/97(S-1297)	RW 2019

SST/SST-FR

Performance

SST is a black, crosslinked, polyolefin-based material. SST-FR is flame retarded and heat resistant.

	Test method	SST-FR	SST
Mechanical			
Tensile strength (min)	ASTM D638	8.4 Mpa	8.4 Mpa
Ultimate elongation (min)	ASTM D638	200%	200%
2% secant modulus (max)	ASTM D882	170 Mpa	
Heat ageing			
	ASTM D2671, D412	(168 h at 175°C)	(168 h at 150°C)
Tensile strength (min)	ASTM D638	7 Mpa	7 Mpa
Ultimate elongation (min)	ASTM D638	100%	100%
Heat shock			
4 h at 225°C	MIL-I-23053/15A	Pass	Pass
Low temperature flexibility			
4 h at -55°C	MIL-I-23053/15A	Pass	Pass
Electrical			
Dielectric strength	ASTM D2671	7.9 MV/m	7.9 MV/m
Volume resistivity (min)	ASTM D876	10 ¹³ ohm.cm	10 ¹³ ohm.cm
Flammability			
Flammability (method B)	MIL-I-23053/15A	15 sec	N/A
Chemical			
Corrosion	MIL-I-23053/15A	Pass	Pass
Water absorption (max)	ASTM D570	0.5%	0.5%
Specific gravity (max)	ASTM D1505	1.5	1.1
Fungus resistance	ASTM G21	≤ 1	N/A
Colour stability	MIL-I-23053/15A	Pass	Pass
Fluid resistance			
(24 h at room temperature)			
De-icing fluid (MIL-A-8243)			
Hydraulic fluid (MIL-H-5606)			
JP-8 (MIL-T-83133)			
Lubricating oil (MIL-L-7808)			
Lubricating oil (MIL-L-23699)			
5% NaCl (O-S-1926)			
After immersion in the above fluids:			
Tensile strength (min)	ASTM D638	5 Mpa	5 Mpa
Ultimate elongation (min)	ASTM D638	100%	100%

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