

BSTS/BSTS-FR

General purpose, heat-shrinkable tubing



Applications

BSTS heat-shrinkable tubing is made of a rugged polymer that resists moisture, fungus, and weathering. It also has excellent electrical properties. This tubing is useful in applications where insulation, abrasion resistance, and strain relief are important. When used with SFTS tape sealant, it can provide a watertight system in nonpressurized applications.

Operating temperature range

-55°C to 90°C

Features and benefits

- Excellent thick-wall insulation and abrasion protection.
- No adhesive – can be removed easily.
- Expansion ratios as high as 3:1.
- Availability in flame-retardant material with FR callout (see “Ordering information and Part numbering system” on the next page).
- BSTS has the following agency approvals:
 - ABS (American Bureau of Shipping)
 - DNV (Det Norske Veritas)
 - Lloyd’s (Lloyd’s Register of Shipping)

Installation

Minimum shrink temperature: 90°C

Minimum full recovery temperature: 121°C

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Specifications/approvals			
Series	Military	Industry	Raychem
BSTS			
BSTS-FR	AMS-DTL-23053/15*, Class 1 and Class 2**	ASTM D 685, nonburning ASTM D 2863, oxygen index IPCEA S-19-81, cable insulation and jackets	RW-2017

*Formerly MIL-H23053/15 and MIL-DTL-23053/15.

**Except for coatings requirement. Refer to SST-FR when coating is required.

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2300

Description

Data sheet

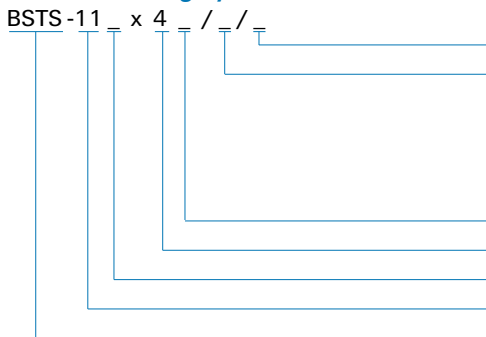
Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Inside diameter		Wall thickness (nominal)	
	Minimum expanded as supplied	Maximum recovered after heating	Expanded as supplied	Recovered after heating****
BSTS-03	7.62 (0.300)	2.54 (0.100)	0.63 (0.025)	1.52 (0.060)
BSTS-04	10.16 (0.400)	3.81 (0.150)	0.63 (0.025)	1.52 (0.060)
BSTS-07M***	19.05 (0.750)	5.59 (0.220)	0.51 (0.020)	1.52 (0.060)
BSTS-07	19.05 (0.750)	5.59 (0.220)	0.76 (0.030)	2.41 (0.010)
BSTS-11M	27.94 (1.100)	9.52 (0.375)	0.76 (0.030)	2.67 (0.110)
BSTS-11	27.94 (1.100)	9.52 (0.375)	1.02 (0.040)	3.05 (0.120)
BSTS-13M	33.02 (1.300)	9.52 (0.375)	0.63 (0.025)	2.67 (0.110)
BSTS-13	33.02 (1.300)	9.52 (0.375)	0.89 (0.035)	3.05 (0.120)
BSTS-15M	38.10 (1.500)	12.70 (0.500)	0.89 (0.035)	3.05 (0.120)
BSTS-15	38.10 (1.500)	12.70 (0.500)	1.27 (0.050)	3.56 (0.140)
BSTS-17M	43.18 (1.700)	12.70 (0.500)	1.02 (0.040)	3.05 (0.120)
BSTS-17	43.18 (1.700)	12.70 (0.500)	1.14 (0.045)	3.56 (0.140)
BSTS-20M	50.80 (2.000)	19.05 (0.750)	1.27 (0.050)	3.05 (0.120)
BSTS-20	50.80 (2.000)	19.05 (0.750)	1.27 (0.050)	3.94 (0.160)
BSTS-27	65.58 (2.700)	22.86 (0.900)	1.27 (0.050)	3.94 (0.160)
BSTS-30	76.20 (3.000)	31.75 (1.250)	1.27 (0.050)	3.94 (0.160)
BSTS-35	88.90 (3.500)	31.75 (1.250)	1.27 (0.050)	3.94 (0.160)
BSTS-40	101.60 (4.000)	44.45 (1.750)	1.27 (0.050)	3.94 (0.160)
BSTS-45	114.30 (4.500)	44.45 (1.750)	1.27 (0.050)	3.94 (0.160)

M = Medium wall tubing. *Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering information

Color	Standard	Black (-0)
	Nonstandard	Red (-2), white (-9), clear (-X not flame-retardant)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.	
Standard packaging	1.2-meter (4-foot) or 7.5-meter (25-foot) lengths.	

Part numbering system

"NM" - no mark

Color

Black / leave blank (standard)

White / WHT

Red / RED

Clear / CL

"FR" - flame-retardant

Length in feet ((4 and 25 feet standard))

"M" medium wall

Size**Family**

Users should independently evaluate the suitability of the product for their application.
Before ordering check with factory for most current data.