

# BSTS and GPT

General purpose heat-shrinkable tubing

Fax-on-Demand: (800) 260-9099  
(650) 361-6523

Before ordering check with  
factory for most current data.



## Applications

BSTS and GPT 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.

## Features/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).
- GPT-FR 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

## Specifications/Approvals

Series	Military	Industry	Raychem
BSTS			Nemosyne 90
BSTS-FR	MIL-DTL-23053/15A*, Class 1 and Class 2	ASTM D 685, nonburning ASTM D 2863, oxygen index IPCEA S-19-81, cable insulation and jackets	Nemosyne FR
GPT-FR		ABS, DNV, Lloyd’s Register	RW-2017

\*Formerly MIL-I-23053/15A.

## Product Dimensions (mm/in)

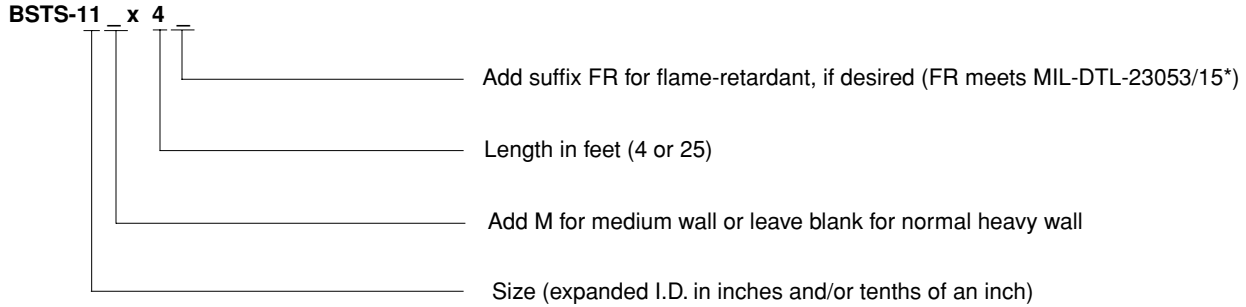
Mil-Spec approved part number**		Agency approved part number	Inside diameter		Wall thickness (nominal)	
			Minimum expanded as supplied	Maximum recovered after heating	Expanded as supplied	Recovered after heating***
BSTS-03	BSTS-FR03	GPT-FR 8/3	7.62 (.300)	2.54 (.100)	.63 (.025)	1.52 (.060)
BSTS-04	BSTS-FR04	GPT-FR 10/4	10.16 (.400)	3.81 (.150)	.63 (.025)	1.52 (.060)
BSTS-07M	BSTS-FR07M	GPT-FR 19/6M	19.05 (.750)	5.59 (.220)	.51 (.020)	1.52 (.060)
BSTS-07	BSTS-FR07	GPT-FR 19/6	19.05 (.750)	5.59 (.220)	.76 (.030)	2.41 (.095)
BSTS-11M	BSTS-FR11M		27.94 (1.100)	9.52 (.375)	.76 (.030)	2.67 (.105)
BSTS-11	BSTS-FR11		27.94 (1.100)	9.52 (.375)	1.02 (.040)	3.05 (.120)
BSTS-13M	BSTS-FR13M	GPT-FR 33/10M	33.02 (1.300)	9.52 (.375)	.63 (.025)	2.67 (.105)
BSTS-13	BSTS-FR13	GPT-FR 33/10	33.02 (1.300)	9.52 (.375)	.89 (.035)	3.05 (.120)
BSTS-15M	BSTS-FR15M		38.10 (1.500)	12.70 (.500)	.89 (.035)	3.05 (.120)
BSTS-15	BSTS-FR15		38.10 (1.500)	12.70 (.500)	1.27 (.050)	3.56 (.140)
BSTS-17M	BSTS-FR17M	GPT-FR 43/13M	43.18 (1.700)	12.70 (.500)	1.02 (.040)	3.05 (.120)
BSTS-17	BSTS-FR17	GPT-FR 43/13	43.18 (1.700)	12.70 (.500)	1.14 (.045)	3.56 (.140)
BSTS-20M	BSTS-FR20M	GPT-FR 51/19M	50.80 (2.000)	19.05 (.750)	1.27 (.050)	3.05 (.120)
BSTS-20	BSTS-FR20	GPT-FR 51/19	50.80 (2.000)	19.05 (.750)	1.27 (.050)	3.94 (.155)
BSTS-27	BSTS-FR27	GPT-FR 69/23	65.58 (2.700)	22.86 (.900)	1.27 (.050)	3.94 (.155)
BSTS-30	BSTS-FR30		76.20 (3.000)	31.75 (1.250)	1.27 (.050)	3.94 (.155)
BSTS-35	BSTS-FR35	GPT-FR 89/32	88.90 (3.500)	31.75 (1.250)	1.27 (.050)	3.94 (.155)
BSTS-40	BSTS-FR40		101.60 (4.000)	44.45 (1.750)	1.27 (.050)	3.94 (.155)
BSTS-45	BSTS-FR45	GPT-FR 114/45	114.30 (4.500)	44.45 (1.750)	1.27 (.050)	3.94 (.155)

\*\*M = Medium-wall tubing.

\*\*\*Wall thickness will be less if tubing recovery is restricted during shrinkage.

## Ordering Information and Part Numbering System

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.	



\*Formerly MIL-I-23053/15.

## Agency Approved Part Numbers

