

# BSTS/BSTS-FR Heat Shrink Tubing



**RAYCHEM | RAYCHEM BSTS**

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## Heat Shrink Tubing

BSTS/BSTS-FR heat-shrink tubing with thick-wall insulation, abrasion protection, non-adhesive and flame retardant. Rugged polymer that resists moisture, fungus, and weathering with expansion ratios as high as 3:1. Operating temperature between -55°C to 110°C.



Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **27.94 mm**

Recovered Inside Diameter (Max): **9.52 mm**

Shrink Ratio: **3:1**

## Features

### Reference Number

TE Internal Number

CAT-HST-BSTS

### Product Type Features

Tubing Product Type

Heat Shrink Tubing

Wall Type

Single Wall

### Electrical Characteristics

Operating Voltage (Max) (kV)

.6

### Body Features

Fluid Type

Brake Fluid, Water

Primary Product Color

Black, Clear, Red, White

Shrink Ratio

3:1

Primary Product Material

Irradiated Modified Polyolefin, Polymer

Flexibility

Semi-Rigid

### Dimensions

Product Length (in)

48

Recovered Wall Thickness (Tolerance) (mm)

1.78, 2.41, 3.04, 3.05, 3.56, 3.94

Recovered Wall Thickness (Tolerance) (in)	.07, .095, .12, .14, .16
Product Length (mm)	1220
Recovered Wall Thickness (Nominal) (mm)	3.05, 3.56
Recovered Wall Thickness (Nominal) (in)	.12, .14
Recovered Inside Diameter (Max) (mm)	2.54, 3.81, 5.59, 5.6, 9.52, 12.7, 19.05, 22.86, 31.75, 44.45
Recovered Inside Diameter (Max) (in)	.1, .15, .22, .375, .499, .5, .75, .9, 1.25, 1.75
Expanded Inside Diameter (Min) (mm)	7.62, 10.16, 19.05, 27.94, 33.02, 33.3, 38.1, 43.18, 50.8, 65.58, 76.2, 88.9, 114.3
Expanded Inside Diameter (Min) (in)	.3, .4, .75, 1.1, 1.3, 1.31, 1.5, 1.7, 2, 2.7, 3, 3.5, 4.5
Tubing Size Range (mm)	2.54 - 7.62, 3.81 - 10.16, 5.59 - 19.05, 9.52 - 27.94, 9.52 - 33.02, 12.7 - 38.1, 12.7 - 43.18, 19.05 - 50.8, 22.86 - 65.58, 31.75 - 76.2, 31.75 - 88.9, 44.45 - 114.3
Tubing Size Range (in)	.1 - .3, .15 - .4, .22 - .75, .375 - 1.1, .375 - 1.3, .5 - 1.7, .5 - 1.5, .75 - 2, .9 - 2.7, 1.25 - 3, 1.25 - 3.5, 1.75 - 4.5

### Usage Conditions

Shrink Temperature (Min) (°C)	90
Resistance Properties	Moisture
Tubing Flammability Type	Flame-Retardant, Non-Flame-Retardant
Operating Temperature Range (°C)	-55 - 110
Recovery Temperature (°C)	121

### Operation/Application

Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief
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### Product Availability

Applicable Region	Global
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### Packaging Features

Packaging Method	Box, Piece
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### Other

Meets Low Outgassing Requirements	No
Product Source	Czech Republic

SEE PRODUCTS ON NEXT PAGE

## Products (1 of 5)



BSTS-11X25/FR/NM

BSTS-45X25/FR/NM

BSTS-35X25/FR/NM

BSTS-15X25FR

TE Part #	CL3005-000	CZ3941-000	CZ3940-000	CJ3141-000
Primary Product Color	Black	Black	Black	Black
Expanded Inside Diameter (Min)	27.94 mm	114.3 mm	88.9 mm	38.1 mm
Recovered Inside Diameter (Max)	9.52 mm	44.45 mm	31.75 mm	12.7 mm
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Flame-Retardant	Flame-Retardant	Flame-Retardant	Flame-Retardant
Packaging Method	Piece	Box	Box	Piece
Tubing Size Range		44.45 - 114.3 mm	31.75 - 88.9 mm	
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR

## \*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

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## Products (2 of 5)



	BSTS-15-CL-7.25IN	BSTS-04X4/NM	BSTS-11-0-2.5IN/NM/FR	BSTS-30X25FR
TE Part #	CZ4092-000	CL3006-000	CJ0189-000	CJ6873-000
Primary Product Color	Black	Black	Black	Black
Expanded Inside Diameter (Min)	38.1 mm	10.16 mm	27.94 mm	76.2 mm
Recovered Inside Diameter (Max)	12.7 mm	3.81 mm	9.52 mm	31.75 mm
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Flame-Retardant	Flame-Retardant
Packaging Method	Box	Piece	Piece	Box
Tubing Size Range	12.7 - 38.1 mm			31.75 - 76.2 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM BSTS	RAYCHEM BSTS	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR

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## Products (3 of 5)



	BSTS-11-CL-7.25IN	BSTS-07-0-1.75IN/NM/FR	BSTS-17X25FR	BSTS-03X25
TE Part #	CZ6522-000	CN2233-000	CN5758-000	CJ5694-000
Primary Product Color	Clear	Black	Black	Black
Expanded Inside Diameter (Min)	27.94 mm	19.05 mm	43.18 mm	7.62 mm
Recovered Inside Diameter (Max)	9.52 mm	5.59 mm	12.7 mm	2.54 mm
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Flame-Retardant	Flame-Retardant	Non-Flame-Retardant
Packaging Method	Box	Piece	Piece	Box
Tubing Size Range	9.52 - 27.94 mm			2.54 - 7.62 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM BSTS	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR	RAYCHEM BSTS

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## Products (4 of 5)



	BSTS-15-0-3IN/NM/FR	BSTS-13X25	BSTS-45X4FR	BSTS-11X4FR/WHT
TE Part #	CF8126-000	CB5032-000	CF6051-000	EG4273-000
Primary Product Color	Black	Black	Black	White
Expanded Inside Diameter (Min)	38.1 mm	33.02 mm	114.3 mm	27.94 mm
Recovered Inside Diameter (Max)	12.7 mm	9.52 mm	44.45 mm	9.52 mm
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Flame-Retardant	Non-Flame-Retardant	Flame-Retardant	Flame-Retardant
Packaging Method	Piece	Box	Piece	Box
Tubing Size Range		9.52 - 33.02 mm		9.52 - 27.94 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM BSTS-FR	RAYCHEM BSTS	RAYCHEM BSTS-FR	RAYCHEM BSTS

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## Products (5 of 5)



	BSTS-07-2.5IN/FR/NM	BSTS-17X4/CL	BSTS-07X100FR	BSTS-04X4FR
TE Part #	CJ5163-000	CB5053-000	CX1370-000	CB5005-000
Primary Product Color	Black	Clear	Black	Black
Expanded Inside Diameter (Min)	19.05 mm	43.18 mm	19.05 mm	10.16 mm
Recovered Inside Diameter (Max)	5.59 mm	12.7 mm	5.59 mm, 5.6 mm	3.81 mm
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Flame-Retardant	Non-Flame-Retardant	Flame-Retardant	Flame-Retardant
Packaging Method	Piece	Box	Piece	Box
Tubing Size Range		12.7 - 43.18 mm		3.81 - 10.16 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief	Abrasion, Fluids, Mechanical Damage, Strain Relief	Abrasion	Abrasion, Fluids, Mechanical Damage, Strain Relief
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM BSTS-FR	RAYCHEM BSTS	RAYCHEM BSTS-FR	RAYCHEM BSTS-FR

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## Related Materials

### Catalog Section

[BSTS\\_BSTS-FR Pages from 9-1773447-9](#)

English

## Also in the Series | [RAYCHEM BSTS](#)

