

Flame Resistant (Equivalent to UL-94 Standards V-0)

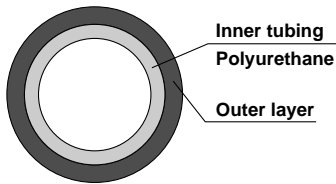
FR Double Layer Polyurethane Tubing

Series TRBU

■ Tubing size: Metric Size

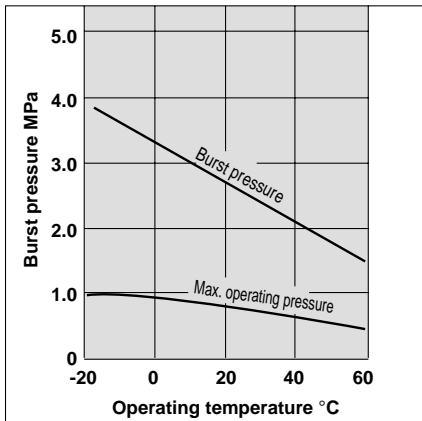


Applicable to general pneumatic and water piping in a spark atmosphere such as in spot welding.
 Double layer design using flame resistant resin (equivalent to UL-94 Standard V-0) for outer layer.
 Inner tubing material: Polyurethane



FR double layer polyurethane tubing (Sectional view)

Burst Pressure Characteristics and Operating Pressure Curve



Related Accessories

Tubing Cutter Series TKS

Tool to peel off outer layer tubing.



Refer to page142 for more information.

How to Order

TRBU 10 65 B 100

Inner tubing O.D.

Inner tubing I.D.

Length per roll

Symbol	Length
20	20m roll
100	100m on reel

Color indication

Symbol	Color
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green

Series

● -20m roll □ -100m on reel

Model	Tubing			
	Metric size			
	TRBU0604	TRBU0805	TRBU1065	TRBU1208
Inner tubing O.D. mm	6	8	10	12
Inner tubing I.D. mm	4	5	6.5	8
Outer layer thickness mm	1	1	1	1

Note 1) Outer layer color	Black (B)	White (W)	Red (R)	Blue (BU)	Yellow (Y)	Green (G)
	●	□	□	□	□	□
	●	□	□	□	□	□
	●	□	□	□	□	□
	●	□	□	□	□	□
	●	□	□	□	□	□

Specifications

Fluid	Air, Water Note 2)			
Max. operating pressure (20°C) Note 3)	0.8MPa			
Burst pressure	Refer to burst pressure characteristics curve.			
Min. bending radius Note 4) mm	15	20	27	35
Operating temperature	-20 to 60°C, Water: 0 to 40°C (With no condensation)			
Material	Inner tubing	Polyurethane		
	Outer layer	Polyolefin resin (Equivalent to V-0 in UL-94 Standards)		

Note 1) The inner tubing are all black.

Note 2) Applicable to general industrial water. Consult SMC for use of other types of fluids.
 Keep the surge pressure below the maximum operating temperature.

Note 3) Refer to the burst pressure characteristics and operating pressure curve for other temperatures.
 Avoid abnormal temperature rises due to adiabatic compression.

Note 4) The value at a temperature of 20°C.

20m Roll

Inner tubing O.D.	Inner tubing I.D.	Color (Color symbol)	Model
6	4	Black (B)	TRBU0604 Color symbol -20
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
8	5	Black (B)	TRBU0805 Color symbol -20
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
10	6.5	Black (B)	TRBU1065 Color symbol -20
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
12	8	Black (B)	TRBU1208 Color symbol -20
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
		Green (G)	

100m on Reel

Inner tubing O.D.	Inner tubing I.D.	Color (Color symbol)	Model
6	4	Black (B)	TRBU0604 Color symbol -100
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
8	5	Black (B)	TRBU0805 Color symbol -100
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
10	6.5	Black (B)	TRBU1065 Color symbol -100
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
12	8	Black (B)	TRBU1208 Color symbol -100
		White (W)	
		Red (R)	
		Blue (BU)	
		Yellow (Y)	
		Green (G)	