

Part Number RSF

Header RSF Heat Shrinkable Braided Tubing

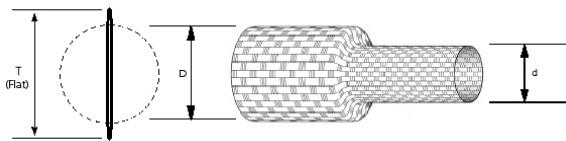
Description RSF is halogen free, braided cloth fiber heat shrink tubing that is flexible and flame-retardant that combines the protection of braided sleeving with the conforming and bundling abilities of heat shrink tubing. Its woven material provides protection from cuts and chafing, as well as temperature resistance and vibration and noise suppression. An excellent choice for automotive as well as industrial applications, this product protects, conforms and looks great. RSF has a shrink temperature rating of 110 degrees C (230 degrees F).

Agency Approval & Compliance RoHS, Halogen Free, Flame Retardant, REACH, VW1

Application RSF heat shrinkable braided tubing provides outstanding mechanical abrasion protection for components such as rubber hoses, plastic pipes and harness wiring bundles.

Shrink Ratio and Operating Temperature RSF has a 2:1 shrink ratio and when fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter.

RSF has a continuous operating temperature rating of -40 degrees C (-40 degrees F) and 125 degrees C (257 degrees F).

Standard Sizes and Dimension


Part No.	As Supplied			After Recovery
	Inside Diameter D (mm)	Inside Diameter D (inch)	Flat Width T (mm)	Inside Diameter d (mm)
CB-RSF-12/6-B	12	1/2"	≥18	≤6
CB-RSF-20/10-B	20	7/8"	≥30	≤10
CB-RSF-30/15-B	30	1-1/4"	≥47	≤15
CB-RSF-40/20-B	40	1-5/8"	≥60	≤20
CB-RSF-50/25-B	50	2"	≥78	≤25
CB-RSF-60/30-B	60	2-3/8"	≥93	≤30
CB-RSF-70/35-B	70	3"	≥108	≤35

Non-Standard Sizes

Part No.	As Supplied			After Recovery
	Inside Diameter D (mm)	Inside Diameter D (inch)	Flat Width T (mm)	Inside Diameter d (mm)
CB-RSF-25/12.5-B	25	1/2"	≥35	≤12.5
CB-RSF-35/17.5-B	35	7/8"	≥54	≤17.5
CB-RSF-80/40-B	80	1-1/4"	≥125	≤40

Basic Performance

Item	Specification
Shrink Temperature (°C)	110°C
Temperature Range (°C)	-40°C ~125°C
Radial Shrinking Ratio (%)	≥50
Longitudinal Change (%)	≤5
Tensile Strength (MPa)	≥10.4
Ultimate Elongation (%)	≥200
Aging in Circulating-air Oven	158 ±1.0, 168 Hrs
Ultimate Elongation (%) - After Aging	≥7.3
Dielectric Voltage Withstand (V)	600
Volume Resistivity (Ω.cm)	≥10 ¹⁴
Dielectric Strength (kV/mm)	≥15
Flammability	VW1
Concentricity (%)	≥70
Heat Shock	4 hr@ 250.0±1.0°C, No cracking
Cold Shock	1 hr@ 30.0±1.0°C, No cracking
Copper Corrosion	24Hr@95%±5, 2°C, No cracking or fading

Availability cut pieces and master reels

Important Notice All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

Limited Warranty/Limited Liability Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.