

RT-770

NBCCS Harness Tubing

Product Facts

- Hardened to withstand effect of NBC decontamination agents including DS-2 and STB
- Tested in live agent tests with HD, VX and TGD for interior and exterior exposure
- Meets the demands of flammability and fluid resistance of current military ground vehicles
- Offered with compatible adhesive, wire and other harness components for a survivable system



Applications

RT-770 heat-shrinkable tubing is made of a chemically resistant fluoroelastomer that is suited for use where moisture, fungus and vehicle fluids and fuels are a concern.

Chemical resistance has been tested in accordance with Army TOP 8-2-510 for NBC contamination survivability.

Installation

Tubing shrinks with temperatures in excess of 150°C

Product is provided with a 2:1 expansion ratio

Optimum application range is 10% above recovered ID to 85% of the expanded ID.

Operating Temperature Range

-55°C to 125°C
[-67°F to 257°F]

Available in:	Americas	Europe	Asia Pacific
	■	■	■

RT-770 (Continued)

Product Dimensions

Size	Inside Diameter		Recovered Wall Thickness		
	Minimum Expanded as Supplied	Maximum Recovered After Heating	Minimum	Maximum	Nominal
1/8	3.17 [0.125]	1.57 [0.062]	0.28 [0.011]	0.43 [0.017]	0.35 [0.014]
3/16	4.74 [0.187]	2.36 [0.093]	0.33 [0.013]	0.48 [0.019]	0.41 [0.016]
1/4	6.35 [0.250]	3.17 [0.125]	0.38 [0.015]	0.56 [0.022]	0.46 [0.018]
3/8	9.50 [0.375]	4.74 [0.187]	0.46 [0.018]	0.61 [0.024]	0.51 [0.020]
1/2	12.70 [0.500]	6.35 [0.250]	0.51 [0.020]	0.66 [0.026]	0.56 [0.022]
5/8	15.90 [0.625]	7.93 [0.312]	0.58 [0.023]	0.76 [0.030]	0.66 [0.026]
3/4	19.05 [0.750]	9.50 [0.375]	0.74 [0.029]	0.91 [0.036]	0.81 [0.032]
1	25.40 [1.000]	12.70 [0.500]	0.86 [0.034]	1.04 [0.041]	0.99 [0.037]
1 1/4	31.75 [1.250]	15.87 [0.625]	0.94 [0.037]	1.12 [0.044]	1.01 [0.040]
1 1/2	38.10 [1.500]	19.05 [0.750]	1.04 [0.041]	1.22 [0.048]	1.14 [0.045]
2	50.80 [2.000]	25.40 [1.000]	1.12 [0.044]	1.32 [0.052]	1.22 [0.048]

Ordering Information

Color	Black (-0) only
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request and are subject to a minimum purchase.
Standard packaging	On spools. Quantity varies by size.
Ordering description	Specify product name, size and color (for example, RT-770-1/8-0-SP).

Part Numbering

RT-770 - 1/8 -0 -SP
 Material Size Color Package

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[RT-770-3/4-0-SP](#)