



NT/NTFR

Very flexible, rugged neoprene elastomer tubing



Applications

Widely used for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the military and aerospace industries. Especially suitable for applications requiring exposure to fluids and solvents at elevated temperatures.

Operating temperature range

-70°C to 121°C

Features and benefits

- Remains flexible at low temperatures without cracking.
- Offers outstanding resistance to abrasion and physical abuse while providing the flexibility and strain relief needed for rugged applications.
- Resistant to most fluids and solvents, including aviation and ground-vehicle fuels, lubricating oil, and hydraulic fluids (see Raychem Specification RT-5 1 1, RT-5 10).
- System 30.

Installation

Minimum shrink temperature: 90°C

Minimum full recovery temperature: 135°C

Available in:

Americas

Europe

Asia Pacific



Specifications/approvals

Series					
	UL	CSA	Military	Industry	Raychem
NT	UL E35586 600V, 90°C	CSA LR31929 600V, 90°C (Does not contain neoprene.)			RT-510
NTFR			AMS-DTL-23053/1*, Classes 1 & 2 SC-X-15112	AMS 3623	RT-511

*Formerly MIL-I-23053/1 and MIL-DTL-23053/1.

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2090, 2100

2091, 2101

Description

Data sheet

RT-510, RT-511

Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Inside diameter		Recovered wall thickness**
	Minimum expanded as supplied	Maximum recovered after heating	After heating
1/8	3.2 (0.125)	1.6 (0.061)	0.69 ± 0.20 (0.027 ± 0.008)
3/16	4.8 (0.187)	2.6 (0.100)	0.84 ± 0.25 (0.033 ± 0.010)
1/4	6.4 (0.250)	3.6 (0.143)	0.88 ± 0.25 (0.035 ± 0.010)
3/8	9.5 (0.375)	5.5 (0.214)	1.02 ± 0.25 (0.040 ± 0.010)
1/2	12.7 (0.500)	7.3 (0.286)	1.21 ± 0.38 (0.048 ± 0.015)
5/8	15.9 (0.625)	9.1 (0.357)	1.32 ± 0.38 (0.052 ± 0.015)
3/4	19.1 (0.750)	10.9 (0.428)	1.44 ± 0.38 (0.057 ± 0.015)
7/8	22.2 (0.875)	12.7 (0.500)	1.65 ± 0.38 (0.065 ± 0.015)
1	25.4 (1.000)	14.5 (0.570)	1.77 ± 0.50 (0.070 ± 0.020)
1 1/4	31.8 (1.250)	18.1 (0.714)	2.20 ± 0.50 (0.087 ± 0.020)
1 1/2	38.1 (1.500)	21.8 (0.857)	2.41 ± 0.50 (0.095 ± 0.020)
1 3/4	44.5 (1.750)	25.4 (1.000)	2.71 ± 0.50 (0.107 ± 0.020)
2	50.8 (2.000)	29.0 (1.140)	2.79 ± 0.50 (0.110 ± 0.020)
3	76.2 (3.000)	43.4 (1.710)	3.18 ± 0.50 (0.125 ± 0.020)

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

Ordering information

Color	Standard Black (-0)
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	On spools.
Ordering description	Specify product name, size and color (for example, NTFR 1/4-0).