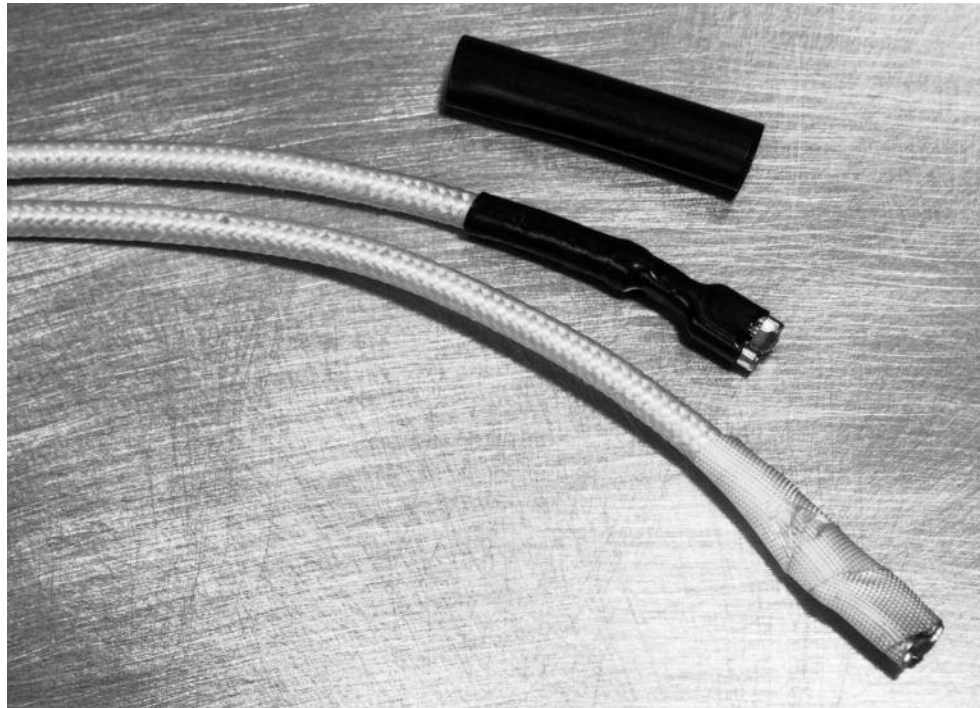


RT555

Fluid-Resistant, Chemical-Resistant, Crosslinked Fluoropolymer Tubing with Extended Temperature Range

Product Facts

- Resistance to high temperatures, solvents, corrosive chemicals, and radiation
- Extreme resistance to hydrocarbons
- Low outgassing (successfully tested for NASA outgassing requirements)
- Highly flame-retardant
- 40 percent lighter weight than tubing made with Viton® fluoroelastomer
- System 300 tubing
- RoHS compliant



Applications

Suitable for commercial applications requiring heat resistance (electrical and hydraulic systems near aircraft or automotive engines or in fuel tanks), applications in chemically exposed environments (industrial process equipment in the pulp and paper, steel, and chemical industries), and equipment for handling caustic or dangerous chemicals or

inks. Use for insulation and strain relief on appliances (electric ranges, microwave ovens, gas grills, and industrial paint-drying equipment) and for protection of delicate electronic instruments in down-hole applications.

Installation

Minimum shrink temperature: 150°C [302°F]
 Minimum full recovery temperature: 220°C [428°F]

Operating Temperature Range

-65°C to 200°C
 [-85°F to 392°F]

Specifications/Approvals

| Series | UL | TE |
|--------|---|--------|
| RT555 | Listed for 185°C for 100,000-hr continuous use (File E85381) Listed for 200°C for 40,000-hr cumulative intermittent exposure | RT-555 |

Viton is a trademark of Dupont Performance Elastomers LLC.

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |

RT555 (Continued)

Product Dimensions

| Size | Inside diameter | | Recovered wall thickness* After heating | | |
|-------|---------------------------------|------------------------------------|--|--------------|--------------|
| | Minimum expanded as supplied | Maximum recovered after heating | Minimum | Maximum | Nominal |
| | | | | | |
| 1/8 | 3.18 [0.125] | 1.57 [0.062] | 0.25 [0.010] | 0.41 [0.016] | 0.30 [0.012] |
| 3/16 | 4.75 [0.187] | 2.36 [0.093] | 0.28 [0.011] | 0.46 [0.018] | 0.36 [0.014] |
| 1/4 | 6.35 [0.250] | 3.18 [0.125] | 0.33 [0.013] | 0.51 [0.020] | 0.41 [0.016] |
| 3/8 | 9.53 [0.375] | 4.75 [0.187] | 0.41 [0.016] | 0.58 [0.023] | 0.48 [0.019] |
| 1/2 | 12.70 [0.500] | 6.35 [0.250] | 0.41 [0.016] | 0.58 [0.023] | 0.48 [0.019] |
| 5/8 | 15.88 [0.625] | 7.95 [0.313] | 0.48 [0.019] | 0.66 [0.026] | 0.56 [0.022] |
| 3/4 | 19.05 [0.750] | 9.53 [0.375] | 0.61 [0.024] | 0.79 [0.031] | 0.69 [0.027] |
| 1 | 25.40 [1.000] | 12.70 [0.500] | 0.71 [0.028] | 0.89 [0.035] | 0.79 [0.031] |
| 1 1/4 | 31.75 [1.250] | 15.88 [0.625] | 0.76 [0.030] | 0.94 [0.037] | 0.84 [0.033] |
| 1 1/2 | 38.10 [1.500] | 19.05 [0.750] | 0.86 [0.034] | 1.04 [0.041] | 0.94 [0.037] |
| 2 | 50.80 [2.000] | 25.40 [1.000] | 0.94 [0.037] | 1.12 [0.044] | 1.02 [0.040] |

*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, RT555 1/8-0-SP). | |

Part Numbering

RT555 - 1/8 -0 -SP

Material Size Color Package

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[RT555-1-1/2-0-SP](#)