

NT

Flexible, General Purpose Modified Elastomeric Tubing

Product Facts

- Remains flexible at temperatures as low as -55°C [-67°F]
- Offers good resistance to abrasion and physical abuse while providing the flexibility and strain relief needed in general-purpose harnessing applications
- Resistant to most common fluids and solvents
- RoHS compliant



Applications

Widely used for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the commercial electronics industries where a reliable general-purpose tubing is needed. Suitable for applications requiring some exposure to common fluids and solvents.

Installation

Minimum shrink temperature: 90°C [194°F]
Minimum full recovery temperature: 135°C [275°F]

Operating Temperature Range

-55°C to 90°C
[-67°F to 194°F]

Specifications/Approvals

| Series | TE |
|--------|--------|
| NT | RT-510 |

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

NT (Continued)

Product Dimensions

| 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] | 2.5 [0.100] | 0.84 ± 0.25 [0.033 ± 0.010] |
| 1/4 | 6.4 [0.250] | 3.6 [0.143] | 0.89 ± 0.25 [0.035 ± 0.010] |
| 3/8 | 9.5 [0.375] | 5.5 [0.214] | 1.01 ± 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 ± 0.51 [0.070 ± 0.020] |
| 1 1/4 | 31.8 [1.250] | 18.1 [0.714] | 2.20 ± 0.51 [0.087 ± 0.020] |
| 1 1/2 | 38.1 [1.500] | 21.8 [0.857] | 2.41 ± 0.51 [0.095 ± 0.020] |
| 1 3/4 | 44.5 [1.750] | 25.4 [1.000] | 2.71 ± 0.51 [0.107 ± 0.020] |
| 2 | 50.8 [2.000] | 29.0 [1.140] | 2.79 ± 0.51 [0.110 ± 0.020] |
| 3 | 76.2 [3.000] | 43.4 [1.710] | 3.17 ± 0.51 [0.125 ± 0.020] |
| 4 | 101.6 [4.000] | 57.9 [2.280] | 3.55 ± 0.51 [0.140 ± 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, NT 1/4-0). | |

Mouser Electronics

Authorized Distributor

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[NT-1-0-SP](#)