

NTFR-1-1/4-0-SP ✓ ACTIVE

RAYCHEM

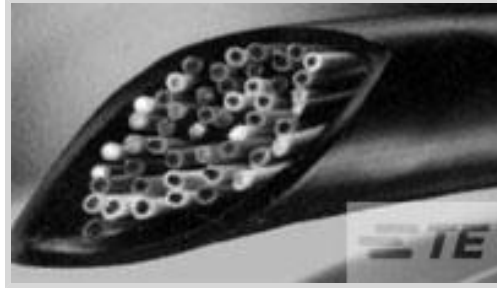
TE Internal #: 6229024003

Black, 1.75:1, Single Wall Tubing, Shrinks To 21.78 mm [.857 in], Chlorinated Polyolefin, 38.1 mm [1.5 in] Inner Diameter, Flame-Retardant, Spool

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Heat Shrink Tubing > Single Wall NTFR: Heat Shrink Tubing, 1.75:1 Shrink Ratio



Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **38.1 mm [1.5 in]**

Recovered Inside Diameter (Max): **21.78 mm [.857 in]**

Shrink Ratio: **1.75:1**

[All Single Wall NTFR: Heat Shrink Tubing, 1.75:1 Shrink Ratio \(14\)](#)

Features

Product Type Features

| | |
|-----------|-------------|
| Wall Type | Single Wall |
|-----------|-------------|

Body Features

| | |
|--------------------------|---|
| Material Systems Code | 20 |
| Fluid Type | Aviation Fuel, Brake Fluid, Chemicals /Solvents, De-Icing Fluid, Diesel Fuel, Hydraulic Fluid, Lubricating Oil, Water |
| Primary Product Color | Black |
| Shrink Ratio | 1.75:1 |
| Primary Product Material | Chlorinated Polyolefin |
| Flexibility | Very Flexible |

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Recovered Wall Thickness (Tolerance) | 1.01 mm[.04 in] |
| Recovered Wall Thickness (Nominal) | 2.2 mm[.087 in] |
| Expanded Inside Diameter (Min) | 38.1 mm[1.5 in] |
| Recovered Inside Diameter (Max) | 21.78 mm[.857 in] |
| Tubing Size Range | 21.78 – 38.1 mm[.857 – 1.5 in] |

Usage Conditions



| | |
|-----------------------------|-----------------|
| Shrink Temperature (Min) | 90 °C |
| Tubing Flammability Type | Flame-Retardant |
| Operating Temperature Range | -70 – 121 °C |
| Recovery Temperature | 135 °C |

Operation/Application

| | |
|-----------------------|--|
| Mechanical Resistance | Abrasion, Fluids, Mechanical Damage, Strain Relief |
|-----------------------|--|

Product Availability

| | |
|-------------------|-----------|
| Applicable Region | Worldwide |
|-------------------|-----------|

Packaging Features

| | |
|------------------|-------|
| Packaging Method | Spool |
|------------------|-------|

Other

| | |
|-----------------------------------|----|
| Meets Low Outgassing Requirements | No |
| Product Source | US |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on



requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Customers Also Bought



TE Part #5265954002
Single Wall NTFR: Heat Shrink Tubing,
1.75:1 Shrink Ratio



TE Part #282019-049
44A0111-18-9



TE Part #569741-000
000W280-TAPE



TE Part #CZ4537-000
CEC-RWC-20412-6



TE Part #A85795-000
44A0111-12-90-1KF



TE Part #478178-000
44A0111-12-92-1KF



TE Part #ER6700-000
S01-04-RCS9376



TE Part #ER6852-000
S02-02-RCS9376

Documents

Product Drawings

[NTFR-1-1/4-0-SP](#)

English

Datasheets & Catalog Pages

[NTFR Pages from 9-1773447-9](#)

English

[1654025_Sec3_NTFR](#)

English

[raychem-tubing-product-selection-guide](#)

English

Product Specifications

[Product Specification](#)

English