

NTFR-1-1/2-0-SP ✓ ACTIVE

RAYCHEM

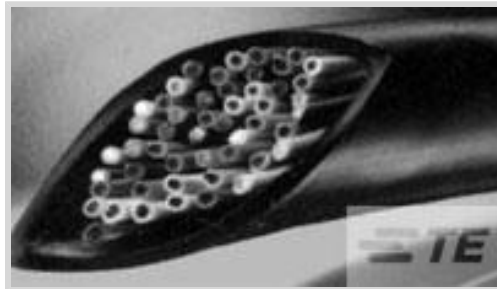
TE Internal #: 7973394002

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

[View on TE.com >](#)



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

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

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Recovered Wall Thickness (Tolerance) | 1.02 mm[.04 in] |
| Recovered Wall Thickness (Nominal) | 2.41 mm[.095 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 #4575670001
TMS-SCE-1K-3/4-2.0-9



TE Part #770641-000
CTC-0039-20-9/5-9



TE Part #1-104257-5
16 MTE RCPT HSG SR LATCH .100



TE Part #42404-1
250 FASTON FLAG REC 18-12 AWG
NPST



TE Part #YDTS20W21-16SNV001
RECP ASSY



TE Part #NB23344001
VERSAFIT-1/8-4-SP



TE Part #290087-002
10603-0-0



TE Part #691894N001
S02-17-R-9CS928



TE Part #801635N001
S02-18-R-9CS1092



TE Part #756605N001
S02-20-R-9CS1093

Documents

Product Drawings

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

English

Datasheets & Catalog Pages

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

English

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

English

[1654025_Sec3_NTFR](#)

English

Product Specifications

[Product Specification](#)



English

Product Environmental Compliance

Safety Datasheet

English

Safety Datasheet

English

Safety Datasheet

German

Safety Datasheet

Safety Datasheet

Safety Datasheet

French

Safety Datasheet

Safety Datasheet

Safety Datasheet

Safety Datasheet