



Heat Shrink Tubing > SWFR-X2 Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **2.4 mm [ .094 in ]**

Recovered Inside Diameter (Max): **1 mm [ .039 in ]**

Shrink Ratio: **2:1**

[All SWFR-X2 Heat Shrink Tubing \(20\)](#)

Features

Product Type Features

Wall Type	Single Wall
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Electrical Characteristics

Operating Voltage (Max)	.6 kV
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Body Features

Fluid Type	Water
Primary Product Color	Black
Shrink Ratio	2:1
Primary Product Material	ZEROHAL Polyolefin
Flexibility	Very Flexible

Dimensions

Recovered Wall Thickness (Nominal)	.44 mm[.017 in]
Expanded Inside Diameter (Min)	2.4 mm[.094 in]
Recovered Inside Diameter (Max)	1 mm[.039 in]

Usage Conditions

Shrink Temperature (Min)	70 °C
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Tubing Flammability Type	Flame-Retardant
Operating Temperature Range	-30 – 125 °C
Recovery Temperature	90 °C

Operation/Application

Mechanical Resistance	Abrasion
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Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Spool
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Other

Meets Low Outgassing Requirements	No
Product Source	China

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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>



### Compatible Parts

TE Part # EG1114-000  
CV1981-ST-230V1600W-EU

Also in the Series

RAYCHEM SWFR X2

Heat Shrink Tubing(20)

### Customers Also Bought

TE Part #T4010008031-000  
M8,SCREW, FEMALE,S,UNSHIELD,3P, GOLD

TE Part #T4110002081-000  
M12,FEMALE,STRAIGHT,A CODE,8P, PG9,GOLD

TE Part #350777-4  
02P UMNL PLUG HSG UL94V0

TE Part #794269-1  
02P UMNL INTERFACE SEAL

TE Part #5646729-1  
2MM HM,ASY,T-D/E,HDR,8R,200,AP

TE Part #EM7482-000  
SWFR-X2 Heat Shrink Tubing

TE Part #794270-1  
02P UMNL WIRE SEAL

### Documents

Product Drawings

X2-2.0-0-SP-SM

English



X2-2.0-0-SP-SM

English

Datasheets & Catalog Pages

Highly Flame-Retardant, Zero halogen, Low Recovery Temperature, Metric-Sized Heat-Shrinkable Tubing

English

Product Specifications

Application Specification

English