X2-9.0-0-FSP-SM ✔ ACTIVE

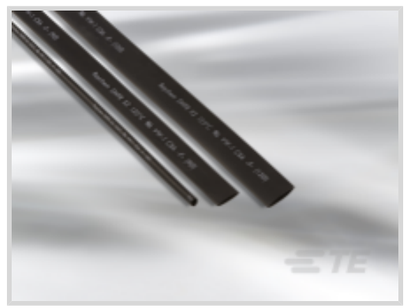
RAYCHEM | RAYCHEM SWFR X2

TE Internal #: EM7490-000

Black, 2:1, Single Wall Tubing, Shrinks To .177 in [4.5 mm], ZEROHAL Polyolefin, .366 in [9.3 mm] Inner Diameter, Flame-Retardant, RAYCHEM SWFR X2

View on TE.com >

Heat Shrink Tubing > SWFR-X2 Heat Shrink Tubing





Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **9.3 mm [.366 in]**

Recovered Inside Diameter (Max): **4.5 mm [.177 in]**

Shrink Ratio: **2:1**

All SWFR-X2 Heat Shrink Tubing (21)

Features

Product Type Features

Wall Type	Single Wall

Electrical Characteristics

Operating Voltage (Max)	.6 kV

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)	.56 mm[.022 in]
Expanded Inside Diameter (Min)	9.3 mm[.366 in]
Recovered Inside Diameter (Max)	4.5 mm[.177 in]

Usage Conditions

Shrink Temperature (Min)	70 °C

Tubing Flammability Type	Flame-Retardant
Operating Temperature Range	-30 – 125 °C
Recovery Temperature	90 °C

Operation/Application

Mechanical Resistance	Abrasion

Product Availability

Applicable Region	Global

Packaging Features

Packaging Method	Spool

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

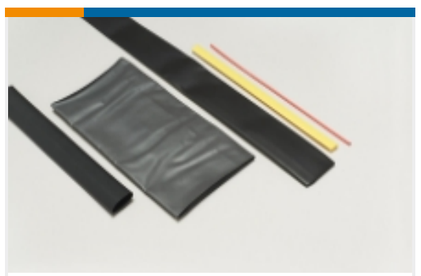
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



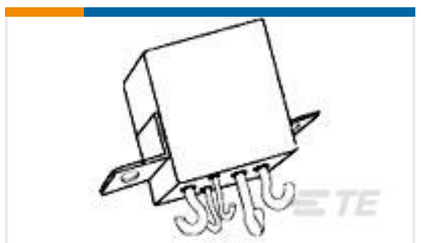
TE Part # EG1114-000
CV1981-ST-230V1600W-EU

Also in the Series | RAYCHEM SWFR X2

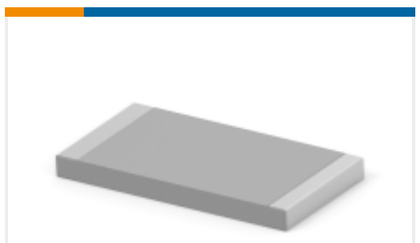


Heat Shrink Tubing(21)

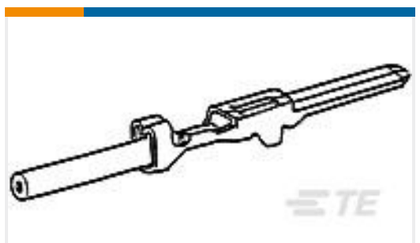
Customers Also Bought



TE Part #2-1617748-5
FCA-125-19=M6106/19-019



TE Part #2-2176331-8
CRGP 2512 1K8 1%



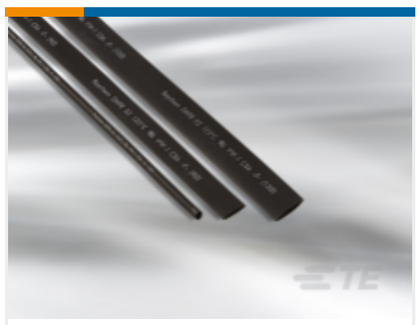
TE Part #345212-1
070 SERIES TAB



TE Part #2318935-1
10POS,MCON 0.5,REC HSG ASSY,SLD, COD A



TE Part #NB25882001
SCL-1/2-0-STK



TE Part #EM7489-000
X2-8.0-0-FSP-SM



TE Part #5510320002
PD-CAP-1/8-0



TE Part #CN1020-000
D-436-36-COLD



TE Part #CN1021-000
D-436-37-COLD



TE Part #NB09282001
ATUM-12/4-0-MS-STK

Documents

Product Drawings

X2-9.0-0-FSP-SM

English

X2-9.0-0-FSP-SM

English

Datasheets & Catalog Pages

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

English

Product Specifications

Application Specification

English