

# X4-1.0-0-SP-SM ✓ ACTIVE

[RAYCHEM](#) | [RAYCHEM SWFR X4](#)

TE Internal #: EM7500-000

Black, 2:1, Single Wall Tubing, Shrinks To .02 in [.5 mm], ZEROHAL Polyolefin, .045 in [1.15 mm] Inner Diameter, Flame-Retardant, RAYCHEM SWFR X4

[View on TE.com >](#)



Heat Shrink Tubing > SWFR-X4 Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **1.15 mm [.045 in]**

Recovered Inside Diameter (Max): **.5 mm [.02 in]**

Shrink Ratio: **2:1**

[All SWFR-X4 Heat Shrink Tubing \(16\)](#)

## Features

### Product Type Features

Wall Type	Single Wall
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### Electrical Characteristics

Operating Voltage (Max)	.3 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)	.25 mm[.01 in]
Expanded Inside Diameter (Min)	1.15 mm[.045 in]
Recovered Inside Diameter (Max)	.5 mm[.02 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	Mechanical Damage
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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**

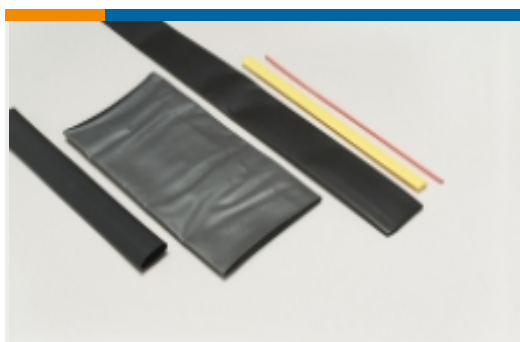
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 X4



Heat Shrink Tubing(16)

## Customers Also Bought



TE Part #338070-6  
MICRO-MATCH FEM.SE



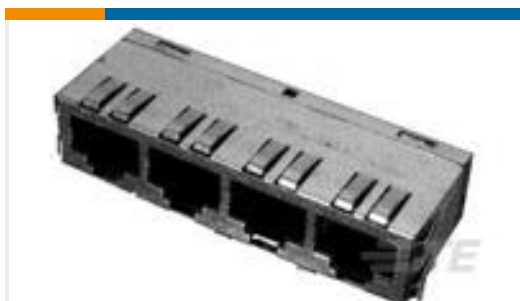
TE Part #1-1337582-0  
MCX SMT Skt 50Ohm Gold Pltd



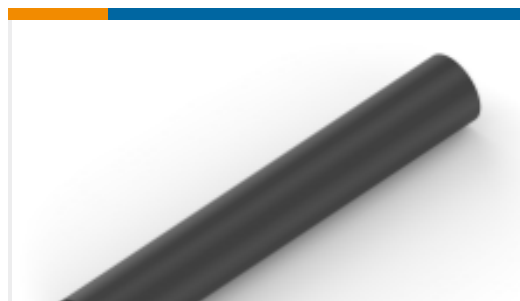
TE Part #2106431-4  
Connector, SMT-IDC PASS THRU, 4  
POS, 18



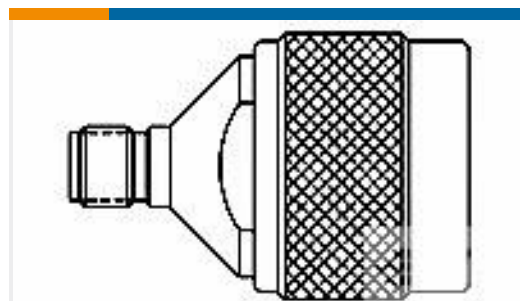
TE Part #2-2176389-0  
RQ 1206 169R 0.1% 10PPM 5K RL



TE Part #5406203-3  
MJ ASSY,4P,8POS,SH,CAT5,NS P/O



TE Part #EM7505-000  
SWFR-X4 Heat Shrink Tubing



TE Part #1057377-1  
3082 2240 00,ADAPTER,N TO SMA

## Documents

### Product Drawings

X4-1.0-0-SP-SM

English



#### [X4-1.0-0-SP-SM](#)

English

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#### [Datasheets & Catalog Pages](#)

[Very-Thin-Wall, Highly Flame-Retardant, Zero Halogen, Metric-Sized Heat-Shrinkable Tubing](#)

English

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#### [Product Specifications](#)

[Application Specification](#)

English