

DWFR-16/4-0-STK ✓ ACTIVE

RAYCHEM | RAYCHEM DWFR

TE Internal #: EH2298-000

Heat Shrink Tubing, Black, Dual Wall, .63 in [16 mm] Expanded Inside, .157 in [4 mm] Recovered Inside, 4:1 Shrink Ratio, RAYCHEM DWFR

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Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Dual**

Expanded Inside Diameter (Min): **16 mm [.63 in]**

Recovered Inside Diameter (Max): **4 mm [.157 in]**

Shrink Ratio: **4:1**

Features

Product Type Features

Product Family	DWFR
Wall Type	Dual

Electrical Characteristics

Voltage (Max)	.6 kV
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Body Features

Primary Product Color	Black
Shrink Ratio	4:1
Primary Product Material	Irradiated Modified Polyolefin
Flexibility	Semi-Flexible

Dimensions

Recovered Wall Thickness (Tolerance)	.36 mm[.014 in]
Cut Length	1220 mm[48 in]
Recovered Wall Thickness (Nominal)	1.78 mm[.07 in]
Expanded Inside Diameter (Min)	16 mm[.63 in]
Recovered Inside Diameter (Max)	4 mm[.157 in]
Heat Shrink Tubing Size Range	4 – 16 mm[.157 – .63 in]

Usage Conditions



Shrink Temperature (Min)	60 °C
Fluid Resistance	Moisture/Spray Protection, Splash Protection
Heat Shrink Tubing Flammability	Highly Flame-Retardant
Operating Temperature Range	-40 – 110 °C
Heat Shrink Tubing Resistance	Fluids, Mechanical Damage, Strain Relief
Recovery Temperature	110 °C

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Bag & Box
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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 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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

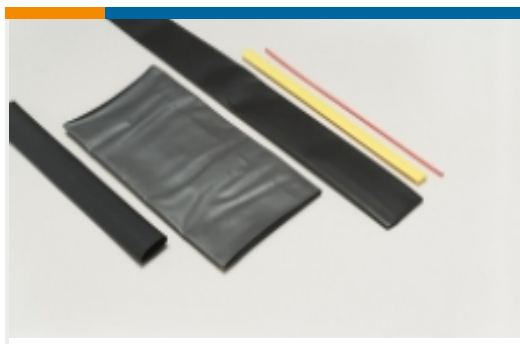
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

Compatible Parts

 <p>TE Part # 2280355-1 220 V MODEL 17</p>	 <p>TE Part # 2234800-1 RBK-X1 STD</p>	 <p>TE Part # 2234800-2 RBK-X1 CE STD</p>	 <p>TE Part # 2280355-3 110 V MODEL 17</p>
 <p>TE Part # 2280355-4 110 V MODEL 17 REVERSE</p>	 <p>TE Part # 2326489-1 MODEL 105 TUNNEL OVEN, 36" ENTRY, STAND A</p>	 <p>TE Part # 2375310-1 XB17 Belt Heater, 220V</p>	 <p>TE Part # 2375310-2 XB17 Belt Heater, 110V</p>
 <p>TE Part # 2375320-1 XB19 Belt Heater, STD</p>	 <p>TE Part # 2375320-2 XB19 Belt Heater, 150mm (6") Version</p>	 <p>TE Part # 2376800-1 RBK-X1C STD</p>	 <p>TE Part # 2376800-2 RBK-X1C CE STD</p>
 <p>TE Part # 2394980-1 MOD 105 TUN OVEN, 69" ENTRY, STARDARD</p>	 <p>TE Part # 955018-000 CLTEQ-M105-TUNNEL-OVEN</p>	 <p>TE Part # 714529-000 CLTEQ-M19-BELT-HTR</p>	 <p>TE Part # 1-528018-1 IR-1891 SHUTTLE RETURN</p>

Also in the Series | **RAYCHEM DWFR**



Heat Shrink Tubing(16)

Documents

Product Drawings

[DWFR-16/4-0-STK](#)

English

Datasheets & Catalog Pages

[DWFR Heat Shrink Tubing product flyer](#)

English

[Measuring_Single_Wall_Tubing](#)

English

[Selecting_Correct_Tubing](#)

English