DWFR-52/13-0-STK ✔ ACTIVE

RAYCHEM | RAYCHEM DWFR

TE Internal #: EH2301-000

Heat Shrink Tubing, Black, 4:1, Dual Wall, Shrinks To 13 mm [.512 in], Irradiated Modified Polyolefin, 52 mm [2.047 in] Expanded Inside, RAYCHEM DWFR

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Heat Shrink Tubing > DWFR Heat Shrink Tubing



Tubing Product Type: **Heat Shrink Tubing**

Primary Product Color: **Black**

Wall Type: **Dual Wall**

Expanded Inside Diameter (Min): **52 mm [2.047 in]**

Recovered Inside Diameter (Max): **13 mm [.512 in]**

All DWFR Heat Shrink Tubing (16)

Features

Product Type Features

Tubing Product Type	Heat Shrink Tubing
Wall Type	Dual Wall

Electrical Characteristics

Operating Voltage (Max)	.6 kV

Body Features

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

Dimensions

Recovered Wall Thickness (Nominal)	2.54 mm[.1 in]
Product Length	1220 mm[48 in]
Recovered Wall Thickness (Tolerance)	.5 mm[.02 in]
Expanded Inside Diameter (Min)	52 mm[2.047 in]
Recovered Inside Diameter (Max)	13 mm[.512 in]
Tubing Size Range	13 – 52 mm[.512 – 2.047 in]

Usage Conditions

Resistance Properties	Moisture
Shrink Temperature (Min)	60 °C
Tubing Flammability Type	Highly Flame-Retardant
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]
Recovery Temperature	110 °C

Operation/Application

Mechanical Resistance	Fluids, Mechanical Damage, Strain Relief

Product Availability

Applicable Region	Global

Packaging Features

Packaging Method	Bag & Box

Other

Meets Low Outgassing Requirements	No
Product Source	Czech Republic

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: DBMC (5% in 23647975030) **Article Safe Usage Statements:** Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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



TE Part # 1-2234800-3
RBK-X1, W/ AIR COOLING



TE Part # 2376800-2
RBK-X1C CE STD

TE Part # 1-2375320-1
XB19 BELT HEATER, AUTO SHUT OFF



TE Part # 1-2376800-3
RBK-X1C, W/ AIR COOLING



TE Part # 2234800-1
RBK-X1 STD



TE Part # 2375320-1
XB19 Belt Heater, STD



TE Part # 2376800-1
RBK-X1C STD



TE Part # 955018-000
CLTEQ-M105-TUNNEL-OVEN



TE Part # 1-2234800-1
RBK-X1, AUTO TRIGGER



TE Part # 1-2376800-4
RBK-X1C CE, W/ AIR COOLING



TE Part # 2326489-1
MODEL 105 TUNNEL OVEN, 36" ENTRY, STANDA



TE Part # 2375320-2
XB19 Belt Heater, 150mm (6'') Version



TE Part # 2375310-1
XB17 Belt Heater, 220V



TE Part # 1-2234800-4
RBK-X1 CE, W/ AIR COOLING



TE Part # 2234800-2
RBK-X1 CE STD



TE Part # 2394980-1
MOD 105 TUN OVEN, 69" ENTRY, STARDARD

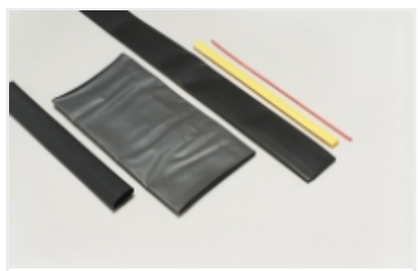


TE Part # 2375310-2
XB17 Belt Heater, 110V

Also in the Series | RAYCHEM DWFR

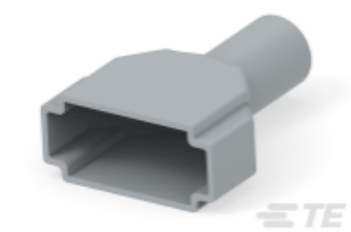


Dual Wall Tubing(16)



Heat Shrink Tubing(16)

Customers Also Bought



TE Part #CAT-J41-DDCSR
DEUTSCH DT Connector Strain Relief



TE Part #HD30-18BT-BK
BOOT, 18SZ, ST, BLK



TE Part #1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



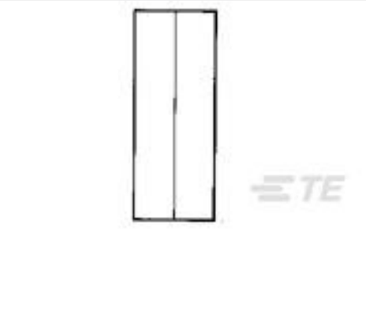
TE Part #CF0024-000
IR1759-MK4-AT3130-EDCONT



TE Part #EEC-325X4A
ENCLOSURE, 3.25 X 4, BLK, VENT



TE Part #HD30-18BT-90-BK
BOOT, 18SZ, RA, BLK



TE Part #34130
SPLICE,SOLIS PARA 22-16

Documents

Product Drawings

DWFR-52/13-0-STK

English

Datasheets & Catalog Pages

Selecting_Correct_Tubing_1216

English

Application Tooling for Raychem Heat Shrink Product

English

Measuring_Single_Wall_Tubing

English

DWFR Heat Shrink Tubing product flyer

English

Product Specifications

Application Specification

English