



Raychem | Raychem ES-2000

TE Internal #: 121397P024

Raychem ES-2000, Heat Shrink Tubing, Black, Dual Wall, 10.85mm [.427in] Expanded Inside, .095in [2.41mm] Recovered Inside, 4:1 Shrink Ratio

[View on TE.com >](#)

Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Dual**

Expanded Inside Diameter (Min): **10.85 mm [.427 in]**

Recovered Inside Diameter (Max): **2.41 mm [.095 in]**

Shrink Ratio: **4:1**

Features

Product Type Features

Product Family	ES2000
Wall Type	Dual

Electrical Characteristics

Voltage (Max)	.6 kV
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Body Features

Fluid Type	Brake Fluid, Diesel Fuel, Engine Cleaner, Engine Coolant, Gasoline, Lubricating Oil, Transmission Fluid, Water, Windshield Washer Fluid
Primary Product Color	Black
Shrink Ratio	4:1
Primary Product Material	Irradiated Modified Polyolefin
Flexibility	Semi-Rigid

Dimensions

Recovered Wall Thickness (Tolerance)	1.91 mm[.075 in]
Cut Length	1220 mm[48.031 in]
Recovered Wall Thickness (Nominal)	1.91 mm[.075 in]
Expanded Inside Diameter (Min)	10.85 mm[.427 in]
Recovered Inside Diameter (Max)	2.41 mm[.095 in]



Usage Conditions

Shrink Temperature (Min)	110 °C
Fluid Resistance	Limited Immersion Protection, Moisture /Spray Protection, Splash Protection
Heat Shrink Tubing Flammability	Flame-Retardant
Operating Temperature Range	-40 – 130 °C
Heat Shrink Tubing Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief
Recovery Temperature	135 °C

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Stick
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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: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) 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

TE Part # 2362453-1
CT,HARNESS,WEICHAH BOSCH WP13
EURP VI

Also in the Series | Raychem ES-2000

Heat Shrink Tubing(135)

Customers Also Bought

TE Part #130599P006
ES2000-NO.4-B7-0-STK

TE Part #063725P022
ES2000-NO.2-B9-0-STK

TE Part #829131P021
ES2000-NO.1-C1-0-STK

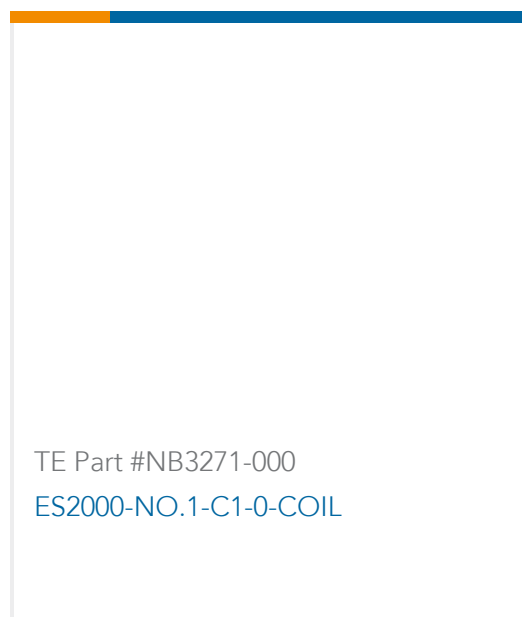
TE Part #3-1554809-8
RITS CONN.PLUG ASSY 8P ORANGE
COVER

TE Part #1438126-1
50 WAY WIRE SHIELD (PROD)

TE Part #016529-000
B-106-8502

TE Part #NB25694001
DWP-125-3/16-0-SP

TE Part #NB3273-000
ES2000-NO.2-B9-0-COIL



Documents

Product Drawings

[ES2000-NO.3-B8-0-STK](#)

English

Datasheets & Catalog Pages

[ES2000 Pages from 9-1773447-9](#)

English

[Flame-Retardant, Adhesive-Lined Heat-Shrinkable Tubing \(Extended Temp. Range\)](#)

English

[Measuring_Single_Wall_Tubing](#)

English

[Selecting_Correct_Tubing](#)

English

Product Specifications

[Quality Specification](#)

English

Product Environmental Compliance

[Safety Datasheet](#)

English

[Safety Datasheet](#)

English

[Safety Datasheet](#)

[Safety Datasheet](#)

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