

SCL Heat Shrink Tubing

RAYCHEM | RAYCHEM SCL
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Heat Shrink Tubing

TE's SCL tubing, dual wall, encapsulant-lined, heat shrink tubing that provides moisture resistance, strain relief, and electrical insulation for electrical splices, terminations, breakouts, and mechanical connections.



Primary Product Color: **Red**
Wall Type: **Dual Wall**
Expanded Inside Diameter (Min): **9.93 mm**
Recovered Inside Diameter (Max): **3.42 mm**
Shrink Ratio: **3:1**

Features

Reference Number

TE Internal Number	CAT-HST-SCL
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Product Type Features

Tubing Product Type	Heat Shrink Tubing
Wall Type	Dual Wall

Electrical Characteristics

Operating Voltage (Max) (kV)	.6
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Body Features

Fluid Type	Aviation Fuel, Brake Fluid, Hydraulic Fluid, Lubricating Oil, Water
Primary Product Color	Black, Red
Shrink Ratio	3:1
Primary Product Material	Irradiated Modified Polyolefin, Modified Polyolefin
Flexibility	Semi-Rigid

Dimensions

Recovered Wall Thickness (Tolerance) (mm)	.3, .31, .35, .36
Recovered Wall Thickness (Tolerance) (in)	.012, .014
Product Length (mm)	25, 35, 40, 45, 50, 55, 57.15, 70, 75, 80, 95, 152.4, 300, 1220



Product Length (in)	.984, 1.377, 1.574, 1.771, 1.97, 2.165, 2.25, 2.755, 2.952, 2.953, 3.149, 3.94, 6, 11.811, 48.03, 48.031
Recovered Wall Thickness (Nominal) (mm)	.96, 1.09, 1.19, 1.27, 1.39, 1.65, 1.9
Recovered Wall Thickness (Nominal) (in)	.038, .043, .047, .05, .055, .065, .075
Recovered Inside Diameter (Max) (mm)	.58, 1.52, 2.03, 3.42, 4.95, 7.95, 10.16
Recovered Inside Diameter (Max) (in)	.023, .06, .08, .135, .195, .313, .4
Expanded Inside Diameter (Min) (mm)	3.17, 4.74, 6.35, 9.93, 12.7, 19.05, 25.4
Expanded Inside Diameter (Min) (in)	.125, .187, .25, .391, .5, .75, 1
Tubing Size Range (mm)	.58 - 3.17, 1.52 - 4.74, 2.03 - 6.35, 3.42 - 9.93, 4.95 - 12.7, 7.95 - 19.05, 10.16 - 25.4
Tubing Size Range (in)	.023 - .125, .06 - .187, .08 - .25, .135 - .391, .195 - .5, .313 - .75, .4 - 1

Usage Conditions

Shrink Temperature (Min) (°C)	125
Resistance Properties	Immersion Protection, Moisture, Splash Protection
Tubing Flammability Type	Non-Flame-Retardant
Operating Temperature Range (°C)	-55 - 110
Recovery Temperature (°C)	135

Operation/Application

Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
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Product Availability

Applicable Region	Americas, Global
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Packaging Features

Packaging Method	Bag & Box, Box, Bulk Coil, Package, Piece, Stick
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Other

Meets Low Outgassing Requirements	No
Product Source	Czech Republic

SEE PRODUCTS ON NEXT PAGE



Products (1 of 5)



SCL-3/8-2-STK-CS34568

SCL-1/8-0-STK-CS34568

SCL-3/8-2-0.81IN

SCL-1/4-A1-0-40MM

TE Part #	NB46122001	NB46252001	EM0318-000	5501096084
Primary Product Color	Red	Black	Red	Black
Wall Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall
Expanded Inside Diameter (Min)	9.93 mm	3.17 mm	9.93 mm	6.35 mm
Recovered Inside Diameter (Max)	3.42 mm	.58 mm	3.42 mm	2.03 mm
Shrink Ratio	3:1	3:1	3:1	3:1
Tubing Product Type	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant
Packaging Method	Bag & Box	Box	Bag & Box	Piece
Tubing Size Range	3.42 - 9.93 mm	.58 - 3.17 mm	3.42 - 9.93 mm	2.03 - 6.35 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
Flexibility	Semi-Rigid	Semi-Rigid	Semi-Rigid	Semi-Rigid
Recovery Temperature	135 °C	135 °C	135 °C	135 °C
Meets Low Outgassing Requirements	No	No	No	No
Applicable Region	Global	Global	Global	Global
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

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Products (2 of 5)



SCL-3/16-0-50MM



SCL-1/4-A1-0-70MM



SCL-1/8-2-STK



SCL-3/4-2-6IN

TE Part #	5500286064	5501096085	NB26072001	CW7383-000
Primary Product Color	Black	Black	Red	Red
Wall Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall
Expanded Inside Diameter (Min)	4.74 mm	6.35 mm	3.17 mm	19.05 mm
Recovered Inside Diameter (Max)	1.52 mm	2.03 mm	.58 mm	7.95 mm
Shrink Ratio	3:1	3:1	3:1	3:1
Tubing Product Type	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant
Packaging Method	Box	Piece	Bag & Box	Piece
Tubing Size Range	1.52 - 4.74 mm	2.03 - 6.35 mm	.58 - 3.17 mm	7.95 - 19.05 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
Flexibility	Semi-Rigid	Semi-Rigid	Semi-Rigid	Semi-Rigid
Recovery Temperature	135 °C	135 °C	135 °C	135 °C
Meets Low Outgassing Requirements	No	No	No	No
Applicable Region	Global	Global	Global	Global
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL

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Products (3 of 5)



SCL-1/2-A1-2-95MM



SCL-1/4-2-STK



SCL-1/8-0-45MM



SCL-1/8-0-35MM

TE Part #	550085P023	NB25992001	ES23776001	ES20706001
Primary Product Color	Red	Red	Black	Black
Wall Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall
Expanded Inside Diameter (Min)	12.7 mm	6.35 mm	3.17 mm	3.17 mm
Recovered Inside Diameter (Max)	4.95 mm	2.03 mm	.58 mm	.58 mm
Shrink Ratio	3:1	3:1	3:1	3:1
Tubing Product Type	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant
Packaging Method	Box	Bag & Box	Bag & Box	Bag & Box
Tubing Size Range	4.95 - 12.7 mm	2.03 - 6.35 mm	.58 - 3.17 mm	.58 - 3.17 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
Flexibility	Semi-Rigid	Semi-Rigid	Semi-Rigid	Semi-Rigid
Recovery Temperature	135 °C	135 °C	135 °C	135 °C
Meets Low Outgassing Requirements	No	No	No	No
Applicable Region	Global	Global	Global	Global
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL

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Products (4 of 5)



	SCL-3/4-2-STK-CS34568	SCL-3/4-0-STK-CS34568	SCL-3/16-0-STK-CS34568	SCL-1/2-A1-0-80MM
TE Part #	NB46142001	NB46272001	NB46262001	5500316070
Primary Product Color	Red	Black	Black	Black
Wall Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall
Expanded Inside Diameter (Min)	19.05 mm	19.05 mm	4.74 mm	12.7 mm
Recovered Inside Diameter (Max)	7.95 mm	7.95 mm	1.52 mm	4.95 mm
Shrink Ratio	3:1	3:1	3:1	3:1
Tubing Product Type	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant
Packaging Method	Bag & Box	Bag & Box	Box	Box
Tubing Size Range	7.95 - 19.05 mm	7.95 - 19.05 mm	1.52 - 4.74 mm	4.95 - 12.7 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
Flexibility	Semi-Rigid	Semi-Rigid	Semi-Rigid	Semi-Rigid
Recovery Temperature	135 °C	135 °C	135 °C	135 °C
Meets Low Outgassing Requirements	No	No	No	No
Applicable Region	Global	Global	Global	Global
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL

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Products (5 of 5)



SCL-3/8-A1-0-75MM



SCL-3/4-2-60MM



SCL-3/8-2-STK-CS34568



SCL-3/16-2-STK-CS34568

TE Part #	5500196073	E17371-000	NB46292001	NB46102001
Primary Product Color	Black	Red	Red	Red
Wall Type	Dual Wall	Dual Wall	Dual Wall	Dual Wall
Expanded Inside Diameter (Min)	9.93 mm	19.05 mm	9.93 mm	4.74 mm
Recovered Inside Diameter (Max)	3.42 mm	7.95 mm	3.42 mm	1.52 mm
Shrink Ratio	3:1	3:1	3:1	3:1
Tubing Product Type	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing	Heat Shrink Tubing
Primary Product Material	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin	Irradiated Modified Polyolefin
Tubing Flammability Type	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant	Non-Flame-Retardant
Packaging Method	Box	Box	Stick	Bag & Box
Tubing Size Range	3.42 - 9.93 mm	7.95 - 19.05 mm	3.42 - 9.93 mm	1.52 - 4.74 mm
Mechanical Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration	Abrasion, Fluids, Mechanical Damage, Strain Relief, Vibration
Flexibility	Semi-Rigid	Semi-Rigid	Semi-Rigid	Semi-Rigid
Recovery Temperature	135 °C	135 °C	135 °C	135 °C
Meets Low Outgassing Requirements	No	No	No	No
Applicable Region	Global	Global	Global	Global
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL	RAYCHEM SCL

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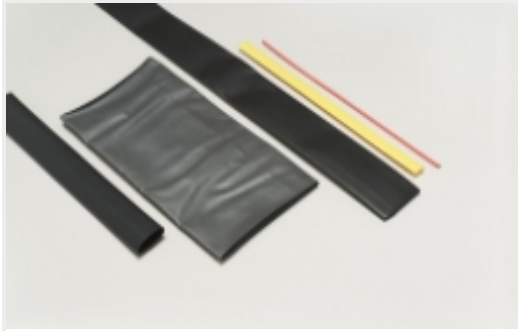
Related Materials

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[SCL Tubing](#)
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[Dual Wall Tubing\(60\)](#)



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