

## Features

- Operating temperature: -25 up to +125°C,
- Halogen-free
- Shrink ratio: 3:1, 4:1
- Minimum shrink temperature: +120°C.
- UV resistant black color
- In accordance with REACH, RoHS

## Product Description

## RS PRO Medium wall heat shrink tubes with adhesive, heat-resistance 125°C

RS Stock No.:

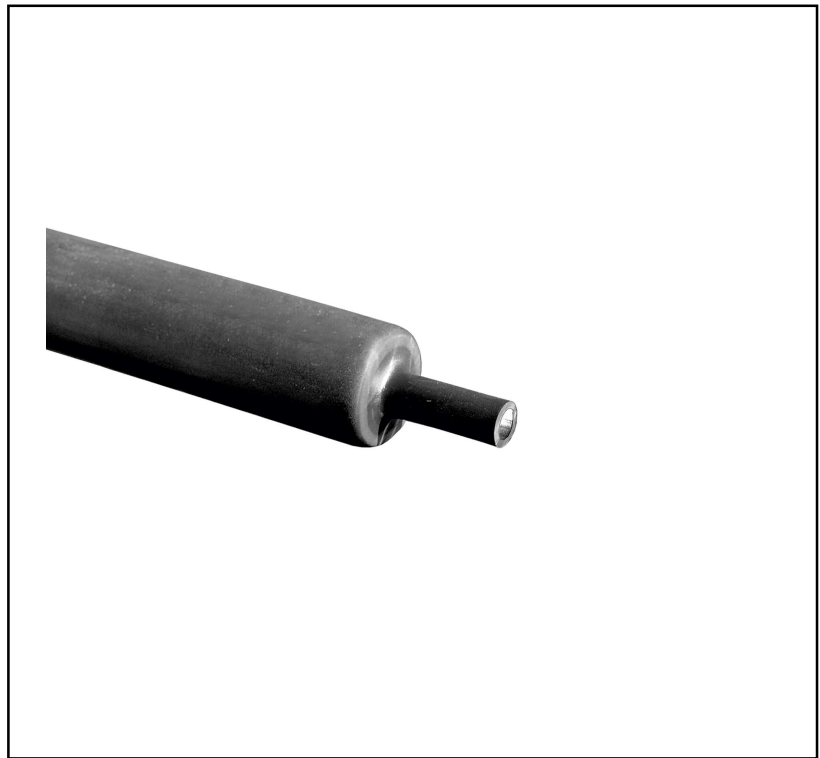
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RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

*Used to restore the insulation and the outer cable coating, high shrink ratio and a wall thickness guarantee excellent insulating properties, and provide a close fit to a wide variety of irregular shapes.*

*The applied hot-melt adhesive provides an additional moisture barrier needed in the construction cable joints and terminations.*

## General Specifications

Sleeve Type	Heat Shrink
Colour	Black
Adhesive Lined	Yes;
Shrink Ratio	3:1, 4:1
Material	Polyolefin
Flame Retardant	No
Halogen Free	Yes

## Electrical Specifications

Dielectric Strength	16kV/mm
Volume Resistivity	$\geq 10^{12}$ Ohm
Voltage Resistance	2,5kV x 60 sec.
Voltage	600V

## Mechanical Specifications

Sleeve Diameter	12 - 63mm
Shrunk Diameter	3 - 19mm
Sleeve Length	100cm
Wall Thickness	2mm, 2,5mm
Tensile Strength	14MPa (min.)
Elongation	350% (min.)
Low Temperature Flexibility	doesn't break in temp -25°C for 4 hours
Flexibility	Semi-rigid

Heat Shock	no dripping, breaking and wall spreading after 4 hours at 200°C
Specific Gravity	1.00 (max.)
Longitudinal Change	+5 ÷ -10%

Chemical Properties	
Flammability	inflammable
Tensile Strength	14MPa (min.)
Dielectric Strength	16kV/mm
Corrosion	Non-corrosive
Water Absorption	0.1%

## Operation Environment Specifications

Operating Temperature	-25°C to 125°C
Shrink Temperature	+120°C
Full Recovery Temperature	Above 120°C

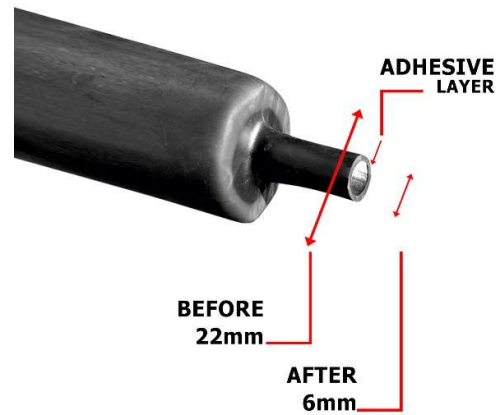
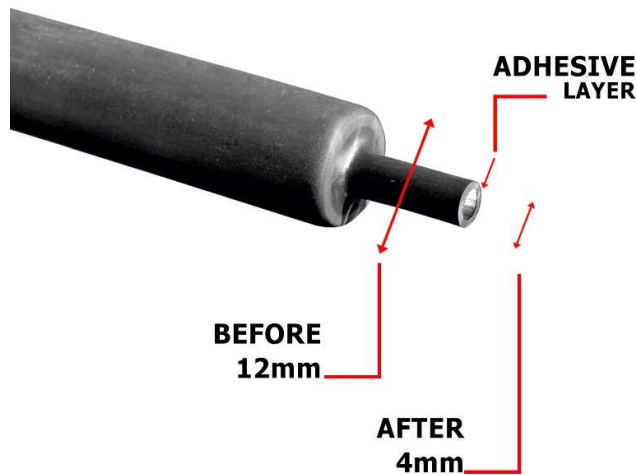
## Approvals

Compliance/Certifications	EN 60684-2; IEC 60243-1
Standards Met	REACH, RoHS
Declarations	Manufacturer

## Similar Products

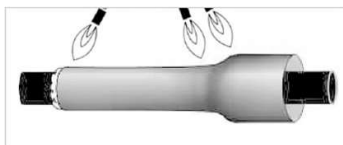
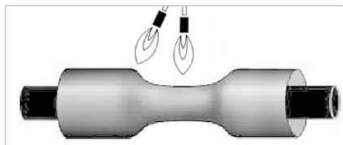
Part Number	Dimensions			
	As Supplied (mm)	After Recovery (mm)	Wall Thickness (mm)	Lenght (cm)
	<b>D</b>	<b>d</b>	<b>s</b>	<b>L</b>
0137412	12,0	3,0	2,0	100

0137413	12,0	4,0	2,0	100
0137415	18,0	6,0	2,0	100
0137416	22,0	6,0	2,0	100
0137417	30,0	8,0	2,0	100
0137419	35,0	12,0	2,0	100
0137421	37,0	12,0	2,0	100
0137422	40,0	16,0	2,0	100
0137423	63,0	19,0	2,5	100



## INSTRUCTIONS FOR USE/SLEEVES APPLICATIONS/DIMENTIONAL DIAGRAM

## Installation



### Tools

The heat shrink products should be shrunk with hot-air blowers, gas heating torches and other equipment able to reach the temperature of over  $+120^{\circ}\text{C}$ .

### Prepare the surface of the object on which the heat shrink tube will be installed

1. Un-dust and degrease the surface of the object, e.g. with a non-oil solvent.
2. The PVC cable surface should be ground with a piece of abrasive cloth and heated up.
3. Metal surfaces should be polished with abrasive cloth and heated up.

### Prepare the heat shrink tube

1. Choose the tube with the required insulation parameters and diameter (the diameter of the recovered heat shrink tube should be smaller than the circumference of the object).

### Shrinking

1. Slide the heat shrink tube.
2. Set the temperature of hot-air blower between  $+120^{\circ}\text{C}$  and  $+200^{\circ}\text{C}$ . The shrinking temperature should not exceed  $+200^{\circ}\text{C}$  which could cause local overheating of the material.
3. Start the shrinking process from the middle of the tube with constant round movements around the tube to achieve steady shrink. The middle part of the tube should shrink down and stick closely to the object.
4. Shrink the ends of the tube with constant movements from the middle towards the ends. The properly shrunk tube should be smooth, with no bulges and notches.
5. If the installed tube is a double layer tube – with adhesive – the adhesive should flow out at the ends of the heat shrink tube.
6. Leave the shrunk tube to cool down.

### Storage

Heat shrink products should be protected against direct sunray and stored in closed warehouses in temperatures between  $-10^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$ .