

Features

- Operating temperature: -55 up to +125°C
- Shrink ratio: 3:1
- The minimum shrink temperature: +120°C
- Colours: black
- Tubes halogen-free
- UV resistant
- In accordance with REACH, RoHS

Product Description

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

RS Stock No.:
0137451



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.

They are designed for insulation of metal elements, lampposts, masts, pipelines and elements of bridges.

Due to high shrink ratio, they are a great insulation for cable culverts ends e.g. under the streets.

General Specifications

Sleeve Type	Heat Shrink
Colour	Black
Adhesive Lined	No;
Shrink Ratio	3:1
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	75mm
Shrunk Diameter	22mm
Sleeve Length	100cm
Wall Thickness	4mm
Tensile Strength	12MPa (min.)
Elongation	300% (min.)
Low Temperature Flexibility	doesn't break in temp -55°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 ÷ -15%

Chemical Properties	
Flammability	self-extinguishing
Tensile Strength	12MPa (min.)
Dielectric Strength	16kV/mm
Corrosion	Non-corrosive
Water Absorption	0.1%

Operation Environment Specifications

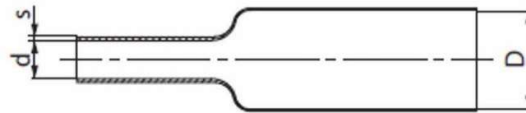
Operating Temperature	-55°C to 125°C
Shrink Temperature	+120°C
Full Recovery Temperature	Above 120°C

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)
	D	d	s	L
0137451	75	22	4	100

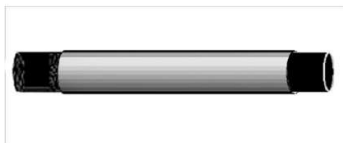
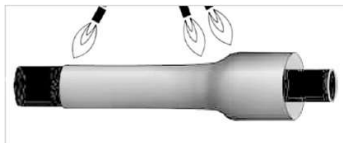
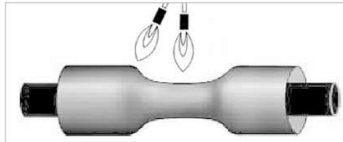


- D** - minimum internal diameter before recovery
- d** - maximum internal diameter after recovery
- s** - wall thickness after entire recovery



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. 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°C to $+35^{\circ}\text{C}$.