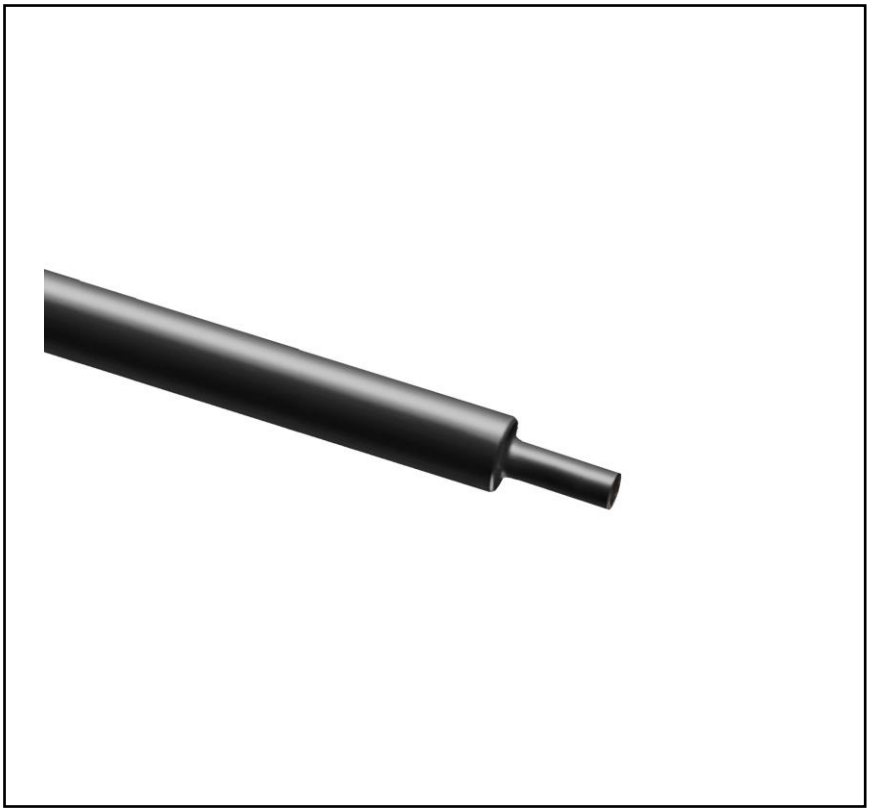
RS PRO Heat shrink thin wall tubes, heat-resistant 125°C

RS Stock No.: 890508,
890509,
890510

Features

- Operating temperature: -55 up to +125°C.
- Shrink ratio: 2:1
- The minimum shrink temperature: +115°C.
- Not self-extinguishing, halogen-free
- UV resistantIn accordance with REACH, RoHS



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.

Product Description

Universal heat-shrinkable tubes are used for electrical insulation, technical protection and moisture protection.
They conform to the shape of the object on which they are shrunk, forming a tightly adherent layer that is insulating, anticorrosive and decorative.

General Specifications

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

Electrical Specifications

Dielectric Strength	16kV/mm
Volume Resistivity	≥10^{12}Ohm
Voltage	600V

Mechanical Specifications

Sleeve Diameter	12mm; 18mm; 24mm
Shrunk Diameter	4mm; 6mm; 8mm
Sleeve Length	10m
Wall Thickness	from 0,5 to 0,9mm
Tensile Strength	15MPa (min.)
Elongation	350% (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 175°C
Longitudinal Change	+5 ÷ -10%

Chemical Properties	
Tensile Strength	15MPa (min.)
Dielectric Strength	16kV/mm
Corrosion	Non-corrosive
Water Absorption	Max 0,1%

Operation Environment Specifications

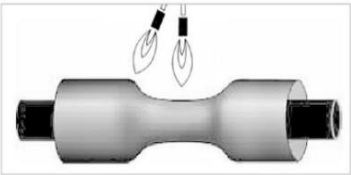
Operating Temperature	-55°C to 125°C
Shrink Temperature	+115°C
Full Recovery Temperature	Above 110°C

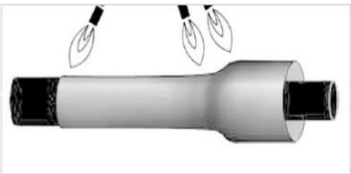
Approvals

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

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°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°C and +200°C. The shrinking temperature should not exceed +200°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°C.