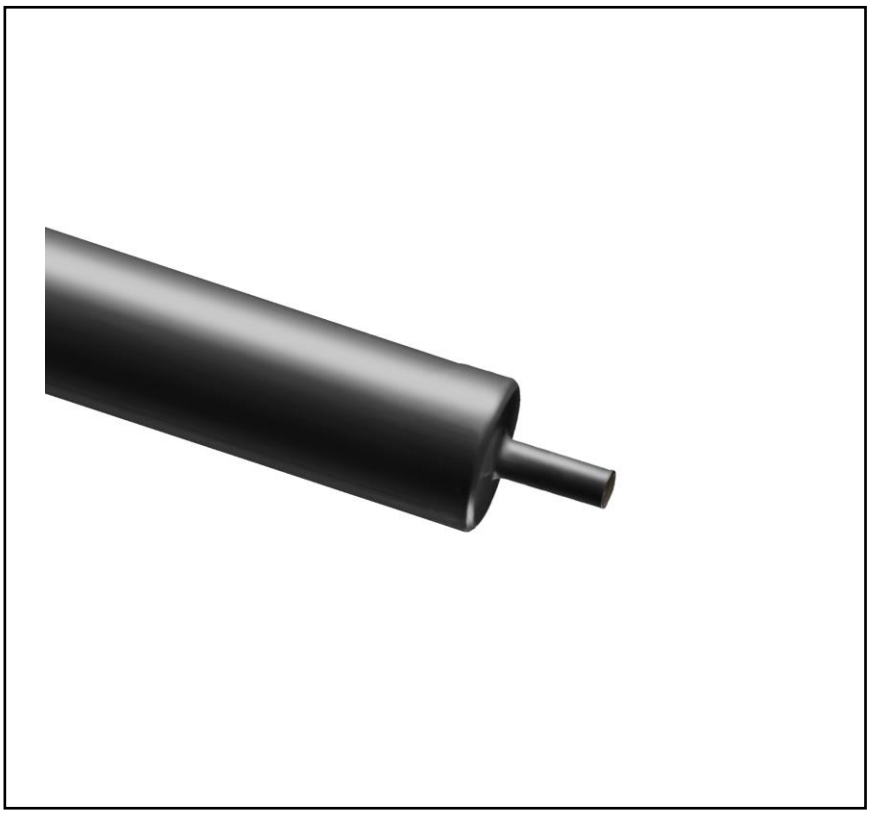
Features

- Operating temperature: -30 up to +135°C
- Shrink ratio: 2:1
- UV resistant black color
- Tubes self-extinguishing
- In accordance with REACH, RoHS

RS PRO Heat shrink thin wall tubes, flexible, self-extinguishing, quick-shrink, 3:1 shrinkage ratio

RS Stock No.: 890514
890515
890516
890517



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.

Heat-Shrink & Cold-Shrink Sleeves

Product Description

Heat-shrinkable tubes are used for electrical insulation in conditions requiring increased resistance to high temperatures.

General Specifications

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

Electrical Specifications

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

Mechanical Specifications

Sleeve Diameter	3mm; 6mm; 9mm; 12mm
Shrunk Diameter	1mm; 2mm; 3mm; 4mm
Sleeve Length	10m
Wall Thickness	1.0mm
Tensile Strength	12MPa (min.)
Elongation	200% (min.)
Low Temperature Flexibility	Doesn't break in temp -30°C for 4 hours
Flexibility	Semi-rigid
Heat Shock	No dripping, breaking and wall spreading after 4 hours at 250°C
Specific Gravity	1.35 (max.)
Longitudinal Change	+5 ÷ -10%

Heat-Shrink & Cold-Shrink Sleeves

Chemical Properties	
Flammability	Self-extinguishing
Tensile Strength	12MPa (min.)
Dielectric Strength	16kV/mm
Corrosion	Non-corrosive
Water Absorption	< 0.5%

Operation Environment Specifications

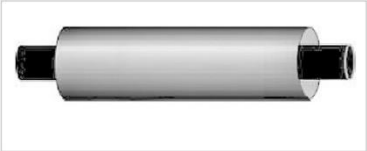
Operating Temperature	-30°C to 135°C
Shrink Temperature	+105°C
Full Recovery Temperature	Above 110°C

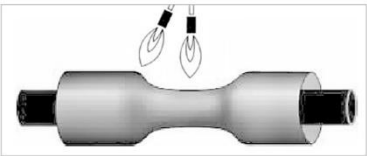
Approvals

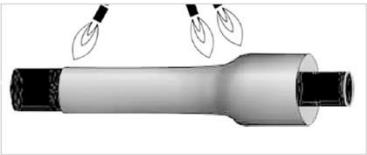
Compliance/Certifications	EN 60684-2; IEC 60243-1; IEC 60093
Standards Met	REACH, RoHS
Declarations	Manufacturer

Heat-Shrink & Cold-Shrink Sleeves

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.