

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

Product Description

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

RS Stock No.:



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.

Universal heat shrinkable tubes applied to perform electrical insulation, technical and moisture protection.

They assume a shape of the object on which they are shrinking down, form a tightly adherent layer of an insulating, anticorrosion and decorative character.

General Specifications

Sleeve Type	Heat Shrink
Colour	Black
Adhesive Lined	No;
Shrink Ratio	2:1
Material	Polyolefin
Flame Retardant	No
Halogen Free	Yes

Electrical Specifications

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

Mechanical Specifications

Sleeve Diameter	from 3,2 to 51mm
Shrunk Diameter	from 1,6 to 25,5mm
Sleeve Length	100mm
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

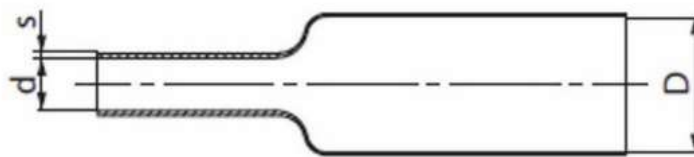
Approvals

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

Products in series

Stock No.	Colour	Sleeve Diameter D (mm)	Shrunk Diameter d (mm)	Sleeve Length (m)
0671555	Brown	12,7	6,4	1
137-434	Black	12,7	6,4	1
0671556	Grey	12,7	6,4	1
0671557	Clear	12,7	6,4	10
0671558	Black	20	6	10
0671559	Yellow/Green	2,4	1,2	1
0671560	Black	25,4	12,7	1
0671561	Clear	25,4	12,7	1
0671562	Yellow/Green	3,2	1,6	1
0671563	Black	38	19	1
0671564	Black	4	1	1
0671565	Yellow/Green	4	1	1
0671566	Black	40	12	1
0671568	Black	51	25,5	1

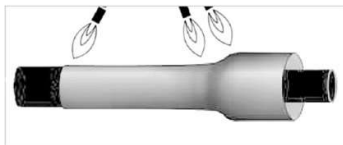
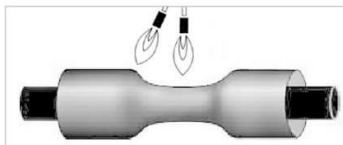
0671569	Clear	6,4	3,2	1
0671570	Black	6,4	3,2	100
0671571	Yellow/Green	6,4	3,2	100
0671572	Black	8	2	1
0671574	Black	9,5	4,8	1



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°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.