

## Heat shrink thin wall tubes, heat-resistant +125°C - type RCH1

Code:



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

**Application: 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.

### Technical data

- ✓ Operating temperature: -55 up to +125°C.
- ✓ Shrink ratio: 2:1, 4:1.
- ✓ The minimum shrink temperature: +115°C.
- ✓ Colours: look below
- ✓ Not self-extinguishing, halogen-free
- ✓ UV resistant In accordance with REACH, RoHS

Tube type	Index	Dimensions [mm]			Packing [pcs 1 m]	Spools [m]
		D	d	s		
shrink ratio: 2:1	(black color)					
RCH1 1,6 / 0,8	WRJCA1600080010030C1	1,6	0,8	0,45	100	100
RCH1 2,4 / 1,2	WRJCA2400120010030C1	2,4	1,2	0,5	100	100
RCH1 3,2 / 1,6	WRJCA3200160010030C1	3,2	1,6	0,5	100	100
RCH1 4,8 / 2,4	WRJCA4800240010030C1	4,8	2,4	0,5	100	100
RCH1 6,4 / 3,2	WRJCA6400320010030C1	6,4	3,2	0,6	100	100

RCH1 9,5 / 4,8	WRJCA9500480010030C1	9,5	4,8	0,6	100	100
RCH1 12,7 / 6,4	WRJCA1271640010030C1	12,7	6,4	0,6	100	100
RCH1 15,8 / 7,9	WRJCC1581790010030C1	15,8	7,9	0,8	50	100
RCH1 19 / 9,5	WRJCA1901950010030C1	19,0	9,5	0,9	50	100
RCH1 25,4 / 12,7	WRJCA2541127110030C1	25,4	12,7	0,9	50	100
RCH1 31,8 / 15,9	WRJCA3181159110030C1	31,8	15,9	1,0	50	50
RCH1 38 / 19	WRJCA3801190110030C1	38,0	19,0	1,1	50	50
RCH1 51 / 25,5	WRJCA5101255110030C1	51,0	25,5	1,1	40	25
RCH1 76 / 38	WRJCA7601380110030C1	76,0	38,0	2,3	20	25
RCH1 102 / 51	WRJCA1022510110030C1	102,0	51,0	2,0	20	25
<b>Tube type</b>	<b>Index</b>	<b>Dimension [mm]</b>			<b>Packing</b>	<b>Spools</b>
shrink ratio 4:1	(black color)	D	d	s	[pcs 1 m]	[m]
RCH1 4 / 1	WRJCA4000100010030C1	4,0	1,0	1,0	100	100
RCH1 8 / 2	WRJCA8000200010030C1	8,0	2,0	1,0	100	100

Standard length 1 meter. Tubes on spools are supplied round or flat up to dimension 12,7/6,4. Tubes on spools of larger dimensions than 12,7/6,4 are supplied flat. Tubes of other colors and length (cut into pieces) are supplied on special request.

**Indexes:** if you choose pipes with different colors, please replace the last two characters in the index black tubes (C1) on: **D1** (red colour), **E1** (blue), **I1** (green), **J1** (yellow), **L1** (mix of colors), **K1** (yellow-green), **O1** (colorless), **A1** (white), **P1** (purple), **B1** (brown), **H1** (grey).

Properties	Test method	Tubes RCH1S
Operating temperature		-55 up to +125°C
Length change after shrinking	EN 60684-2	+5 + -10%
Tensile strength, min.	EN 60684-2	15MPa
Elongation at rupture, min.	EN 60684-2	350%
Heat ageing 168 hours	EN 60684-2	158°C
Tensile strength after heat ageing, min.	EN 60684-2	12MPa
Elongation at rupture after heat ageing, min.	EN 60684-2	250%
Heat shock (4 hours, temperature)	EN 60684-2	175°C, no dripping, breaking and wall spreading
Contact with Cu after heat ageing (168 hours, temperature): elongation at rupture, min.	EN 60684-2	158°C: 100%
Cu corrosion	EN 60684-2	doesn't corrode
Cold bend; 4 hours	EN 60684-2	doesn't break in temp. -55°C
Flammability	EN 60684-2	inflammable
Water absorptivity, max	ISO 62	0,1%
Dielectric resistance, min.	EN 60684-2; IEC 60243-1	16kV/mm
Volume resistivity, min.	EN 60684-2; IEC 60093	10 <sup>12</sup> Ωm

Examples of applications of heat shrink tubes

