

- suitable
- of limited suitability
- ++ very good
- + good
- o limited

These details are only rough guide values. They should be regarded as a material specification and are no substitute for a suitability test. Please see our datasheets for further details.

Type

Heatshrink Tubing Kits

HTHSKBK
HTHSKCL
CP Mini Reels / Packs

Material	Operating Temperature [°C]	Shrink Ratio	Longitudinal change after complete shrinkage [%]
POX	-55 °C to +135 °C	2:1	+/-5% max.
POX	-55 °C to +110 °C	2:1	+1%/-15% max.
POX	-55 °C to +135 °C	2:1	-5% max.

Heatshrink Tubing (General Purpose)

LVR
SGP

Heatshrink Tubing, Thin Wall

HFT-A
HFT-B
HFT-333
TCN20
TL27
TF21
TF24
TF31

Heatshrink Tubing, Thin Dual Wall

EPS-300
EPS-400
TA32
TA42

Heatshrink Tubing, Medium Wall

IMCSA

Heatshrink Tubing, Medium Dual Wall

TREDUX MA47
MA47

	-30 °C to +105 °C	2:1	+/-10% max
POX	-55 °C to +135 °C	2:1	-5% max.
POX	-55 °C to +135 °C	2:1	-5% max.
POX	-55 °C to +135 °C	2:1	-5% max.
POX	-55 °C to +125 °C	3:1	-15% max.
POX	-55 °C to +125 °C	2:1	+/- 5%
POX	-55 °C to +135 °C	2:1	+5%/-15%
POX	-55 °C to +135 °C	2:1	+/- 5%
POX	-55 °C to +135 °C	2:1	+/-5% max.
POX	-55 °C to +135 °C	3:1	-10% max
POX	-55 °C to +110 °C	3:1	-10% max.
POX	-55 °C to +110 °C	4:1	-10% max.
POX	-55 °C to +125 °C	3:1	-15% max.
POX	-55 °C to +125 °C	4:1	-15% max.
POX	-55 °C to +110 °C	up to 4:1	-10% max
POX	-55 °C to +80 °C	up to 4:1	-10% max
POX	-55 °C to +80 °C	up to 4:1	-10% max.

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Type

Heatshrink Tubing, Heavy Wall

HU47

Heatshrink Tubing, Heavy Dual Wall

TREDUX HA47

HA47

Heatshrink Tubing for Special Purposes

PST-H

PST-HT

Viton-E

Kynar

TFE2

TR27

Material	Operating Temperature [°C]	Shrink Ratio	Longitudinal change after complete shrinkage [%]
POX	-55 °C to +110 °C	up to 3.5:1	-10% max
POX	-55 °C to +80 °C	up to 3.5:1	-10% max
POX	-55 °C to +80 °C	up to 3.5:1	-10% max.
PES	-75 °C to +150 °C	2:1	-10% max.
PES	-75 °C to +150 °C	2:1	-10% max.
FPMX	-55 °C to +200 °C	2:1	-10% max.
PVDFX	-55 °C to +175 °C	2:1	-5% max.
PTFE	-70 °C to +260 °C	2:1	-20% max.
POX	-40 °C to +105 °C	2:1	+5%/-10% max.

Type

Shapes

Series 100-1300-G

Series 100-1300-GW24

Series 100-1300-HW21

Blowmoulded -9

HEK End Caps

HEV Cable Breakout Boots

Adhesive

Helashrink HMT200A

Two-Part Epoxy Adhesive V9500

Material	Operating Temperature [°C]	Shrink Ratio
POX	-75 °C to 150 °C	up to 3:1
PEEX	-75 °C to 150 °C	up to 3:1
POX	-55 °C to 105 °C	up to 3:1
POX	-55 °C to 120 °C	up to 3:1
POX	-55 °C to 70 °C	up to 3:1
POX	-55 °C to 70 °C	up to 3:1
EVA	-55 °C to +105 °C	—
EP	-75 °C to +150 °C	—

Overview of Applications for Heat Shrink Tubing

When selecting the correct heatshrink tubing size, it is important to bear in mind the 80:20 rule. The heatshrink tubing must shrink by at least 20% and not more than 80% of its complete shrinkage capacity to achieve the right result. In our overview of applications you will find the best heat shrink tube for every cable diameter. The 80:20 rule has of course been taken into account in the table.

Heat shrink tubing with a shrinkage ratio of 3:1

With the optimal shrinkage ratio of 3:1, you can cover a wide range of applications with just a few sizes. This leads to reduced stock expenditure and requires less space. 3:1 heat shrink tubes: EPS-300; HFT-333.

Shrink ratio 3:1		Cable / Wire diameter
Size		
1.5/ 0.5	3/1	0.7 mm
		1.3 mm
		1.4 mm
		2.6 mm
6/2	12/4	2.8 mm
		5.2 mm
		5.6 mm
24/8	39/13	10.4 mm
		11.2 mm
		18.2 mm
		20.8 mm
		33.8 mm

Heatshrink tubing with a shrink ratio of 2:1

LVR; HCP; CP; HFT-A; HFT-B; SGP; PST-H; PSTHT; VITON-E; Kynar; TFE-2; TR27; SR27

Shrink ratio 2:1		Cable / Wire diameter
Size		
1.2/ 0.6		0.7 mm
		1.1 mm
3.2/1.6	2.4/1.2	1.4 mm
		1.9 mm
	4.8/2.4	2.2 mm
		2.9 mm
6.4/3.2	9.5/4.7	3.8 mm
		4.3 mm
		5.7 mm
12.7/6.4	19.1/9.5	5.8 mm
		7.7 mm
25.4/12.7	38.1/19.1	8.6 mm
		11.4 mm
		15.2 mm
50.8/25.4	76.2/38.1	17.2 mm
		22.9 mm
101.6/50.8		30.5 mm
		34.3 mm
		45.7 mm
		61.0 mm
		68.6 mm
		91.4 mm