

Conversion from imperial to metrics									
Zoll	1/32"	3/64"	1/16"	5/64"	3/32"	1/8"	3/16"	1/4"	3/8"
mm	0.8	1.2	1.6	2.0	2.4	3.2	4.8	6.4	9.5
Zoll	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"
mm	12.7	15.9	19.1	25.4	31.8	38.1	50.8	76.2	101.6

The right heat shrink tube

The 80:20 rule means that a heat shrink tube should shrink by a maximum of 80% and a minimum of 20%. For example: A cable with a diameter of 5 mm is to be wrapped in heat shrinkable tubing. In theory both sizes 6/2 and 12/4 would be suitable since the required diameter of 5 mm lies within the shrink range of both tube sizes.

Maximum shrink (100%)



Maximum shrinkage = 4 mm

Optimum shrink max. (80%)



Shrinkage of 3.2 mm

Optimum shrink min. (20%)



Shrinkage of 0.8 mm

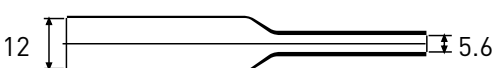
Size 6/2 has a range of application of between 2.8 mm and 5.2 mm and is therefore suitable for the cable diameter of 5 mm.

Maximum shrink (100%)



Maximum shrinkage = 8 mm

Optimum shrink max. (80%)



Shrinkage of 6.4 mm

Optimum shrink min. (20%)



Shrinkage of 1.6 mm

The smallest application diameter of size 12/4 is 5.6 mm. This size is therefore unsuitable for a cable diameter of 5 mm.

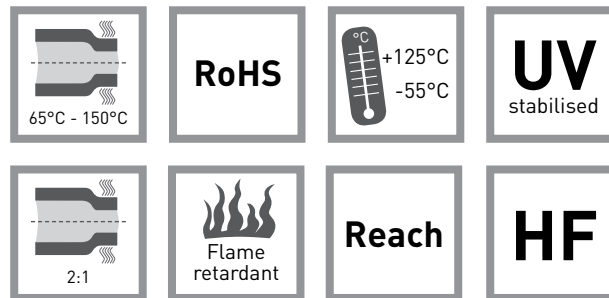
ShrinkTech® low shrink temperature tubing



Ideal for applications where heat sensitive components are used. Hence this special material starts shrinking on already 65 °C

- Halogen-free
- Flexible
- MVSS 302
- Environmental friendly, free from toxic heavy metal compounds

- **Material:**
modified polyolefin
- **Colour:**
black
- **Packaging:**
spools



Property	Method of test	Value
Tensile strength	ASTM D 638	15MPa
Tensile strength after ageing (158°C / 168 hrs)	ASTM D 638	11MPa
Elongation at break	ASTM D 638	450%
Elongation at break after ageing (158°C / 168 hrs)	ASTM D 638	300%
Heat shock (200 / °C 4 hrs)	ASTM D 2671	No cracking
Cold tolerance (-55 / °C 4 hrs)	ASTM D 2671	No cracking
Dielectric strength	ASTM D 150	22kV/mm
Volume resistance	ASTM D 876	10 ¹⁴ Ω.cm
Copper stability	UL 224	Pass
Longitudinal shrinkage	UL 224	0% - 10%

Article No.	Internal diameter (mm)		Wall thickness fully recovered (mm)	Spools (m)	Shape
	Min.as supplied	Max. fully recovered			
STL-016	1.6	0.8	0.5	200	O
STL-024	2.4	1.2	0.5	200	O
STL-032	3.2	1.6	0.5	200	O
STL-048	4.8	2.4	0.5	100	O
STL-064	6.4	3.2	0.6	100	O
STL-095	9.5	4.8	0.6	100	F
STL-127	12.7	6.4	0.6	50	F
STL-190	19.0	9.5	0.8	30	F
STL-254	25.4	12.7	0.9	30	F
STL-318	31.8	15.9	1.0	30	F
STL-381	38.1	19.0	1.0	30	F
STL-508	50.8	25.4	1.1	30	F