



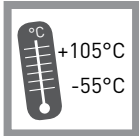

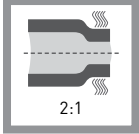



STHF

ShrinkTech® thin wall halogen-free tubing

This tube responds to the highest environmental requests, made with specially designed halogenfree polyolefin. It produces neither toxic smoke nor harmful substances, ideal for underground applications where zero halogen cables & accessories are in demand.



- Halogen-free
- Flexible
- UL224, 125°C, VW-1
- Environmental friendly,

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

Property	Method of test	Value
Operating temperature	IEC 216	-55 °C to +105°C
Tensile strength	ASTM D 2761	>10.4 MPa
Elongation at break	ASTM D 2761	>200%
Longitudinal shrinkage	UL 224	<± 3%
Eccentricity	ASTM D 2761	<30%
Heat shock	250°C , 4hrs.	No break or dropping
Flammability	SAE-AMS-DTL-23053/5	Pass

Article No.	Internal diameter (mm)		Wall thickness fully recovered (mm)	Spools (m)	Shape
	Min.as supplied	Max. fully recovered			
STHF-012	1.2	0.6	0.4	200	O
STHF-016	1.6	0.8	0.4	200	O
STHF-024	2.4	1.2	0.5	200	O
STHF-032	3.2	1.6	0.5	200	O
STHF-048	4.8	2.4	0.5	100	O
STHF-064	6.4	3.2	0.6	100	O
STHF-095	9.5	4.8	0.6	100	F
STHF-127	12.7	6.4	0.6	50	F
STHF-190	19.0	9.5	0.7	30	F
STHF-254	25.4	12.7	0.8	30	F
STHF-318	31.8	15.9	0.90	30	F
STHF-381	38.1	19.0	1.00	30	F
STHF-508	50.8	25.4	1.10	30	F

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

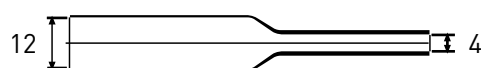
Optimum shrink min. (20%)



Shrinkage of 0.8 mm

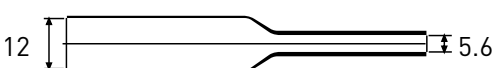
Size 6/2 has a range of application of between 2.8 mm and 5.2 mm and is therefore suitable for the cable diameter of 5 mm.

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.