Conversion from imperal 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 suitablesince the required diameter of 5 mm lies with in the shrink range of both tube sizes.

Maximum shrink (100%)

Maximum shrinkage = 4 mm

Otimum shrink max. (80%)

Shrinkage of 3.2 mm

Otimum 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.

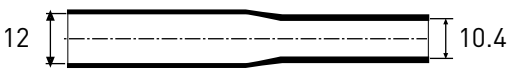
Maximum shrink (100%)

Maximum shrinkage = 8 mm

Otimum shrink max. (80%)

Shrinkage of 6.4 mm

Otimum 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.

ST150

ShrinkTech® 150°C

It's reliably protects for wires, solder joints terminals, protection from most industrial fluid solvents and fluid chemicals. Can be used for jacketing and bundling of wires where abrasion resistance and flexibility are required.

- **Material:** Kynar modified polyvinyl fluoroid
- **Colour:** black, transparent
- **Packaging:** spool

- Environmental friendly, free from toxic heavy metal compounds
- UL 224, 125°C, VW-1,
- Extremely resistant to mechanical and chemical damage
- Semi-rigid
- Flame retardant
- MIL-I-23053 Military spec.
- Extreme thin wall

Property	Method of test	Value
Operating temperature	IEC216	-55 °C to +150°C
Tensile strength	ASTM D 638	Min. 30 MPa
Elongation at break	ASTM D 638	Min.150%
Elongation at break after ageing	225°C /168hrs	Min.100%
Heat shock	275°C /4hrs	No cracking or dropping
Cold bend	-55°C/4hrs	No cracking
Dielectric strength	ASTM D 2671	Min. 2.5kV/1min
Volume resistance	ASTM D 876	$>10^{13}\Omega$.cm
Copper stability	180°C /168hrs	No corrosion
Flammability	VW-1	Pass

Article No.	Internal diameter (mm)		Wall thickness fully recovered (mm)	Spools (m)	Shape
	Min.as supplied	Max. fully recovered			
ST150-012	1.2	0.6	0.25	200	O
ST150-016	1.6	0.8	0.25	200	O
ST150-024	2.4	1.2	0.27	200	O
ST150-032	3.2	1.6	0.27	200	O
ST150-048	4.8	2.4	0.27	100	O
ST150-064	6.4	3.2	0.33	100	O
ST150-095	9.5	4.8	0.33	50	F
ST150-127	12.7	6.4	0.33	50	F
ST150-190	19.0	9.5	0.43	30	F
ST150-254	25.4	12.7	0.48	30	F
ST150-318	31.8	15.9	0.48	30	F