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.

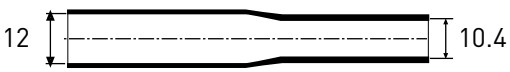
Maximum shrink (100%)

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.

ST200

ShrinkTech® 200°C

- **Material:**
  Viton™ fluoroelastomer
- **Colour:**
  black
- **Packaging:**
  spool

Very high performance elastomeric tubing (Viton™). Suitable for applications requiring high resistance to corrosive fluids, fuels, lubricants, acids and solvents at elevated temperature (up to 200 °C).
Frequently used in harsh environments such as defence, aerospace or marine.

- MIL-I-23053 Military spec.
- UL 224, 125°C, VW-1,
- Very flexible
- Flame retardant
- Environmental friendly, free from toxic heavy metal compounds

Property	Method of test	Value
Operating temperature	IEC216	-55 °C to +200°C
Tensile strength	ASTM D 638	Min. 8.5 MPa
Elongation at break	ASTM D 638	Min. 250%
Elongation at break after ageing	250°C /168hrs	Min. 200%
Heat shock	300°C /4hr	No cracking or dropping
Flexibility	ASTM D 412	Max.13.8 MPa
Dielectric strength	ASTM D 2671	Min. 7.9 kV/mm
Volume resistance	ASTM D 876	Min.10^{13}Ω.cm
Copper stability	SAE-AMS-DTL-23053/18	Pass
Flammability	ASTM D 2671	Self-extinguish after 15 min

Article No.	Internal diameter (mm)		Wall thickness fully recovered (mm)	Spools (m)	Shape
	Min.as supplied	Max. fully recovered			
ST200-032	3.2	1.6	0.76	61.0	O
ST200-048	4.8	2.4	0.90	61.0	O
ST200-064	6.4	3.2	0.90	30.5	O
ST200-095	9.5	4.8	0.90	30.5	F
ST200-127	12.7	6.4	1.10	30.5	F
ST200-190	19.0	9.5	1.30	15.0	F
ST200-254	25.4	12.7	1.65	1.22	F
ST200-381	38.1	19.0	1.90	1.22	F
ST200-508	50.8	25.4	2.80	1.22	F