

# STW Tubing – Technical Data Sheet

## Product Data

### Storage:

Cool dry place out of direct sunlight

### Material:

Polytetrafluoroethylene (CF<sub>2</sub>)<sup>n</sup>

### Operating Temperature:

-70°C to +260°C

### Pack Quantity Tolerance of Cut lengths:

Under 5mm – Standard pack quantities  
500 / 1000 pcs +/- 5%

Over 5mm – Standard pack quantities of  
1000 +/- 2%

## Application Method – Push on

Our STW grade PTFE product exhibit excellent resistance to oils, acids, and fuels. This coupled with the materials excellent and unique electrical properties, means it is suitable for use in harsh and extreme conditions. The tubing is available in standard sizes, as well as a variety of colours. The standards applicable to this material are BS 2848 Type 6 Class 250T; BS EN 60684; BS EN ISO 13000.

- Inert to all chemicals
- Hydrophobic
- Extremely low coefficient of friction
- Anti-Stick
- Non-Flammable
- REACH & RoHS Compliant



## Order Information

| Product Reference | Internal Diameter (mm) | Standard Wall Thickness (mm) | Colours          | Form                  |
|-------------------|------------------------|------------------------------|------------------|-----------------------|
| STW7              | 3.84                   | 0.2                          | BK = Black       | Continuous Sleeving   |
| STW8              | 3.43                   | 0.2                          | BN = Brown       | Cut Sleeves           |
| STW9              | 3.02                   | 0.2                          | RD = Red         | Pre-lubricated        |
| STW10             | 2.72                   | 0.2                          | OR = Orange      | Spiral Cut            |
| STW11             | 2.44                   | 0.2                          | YW = Yellow      | Slit Cut              |
| STW16             | 1.42                   | 0.2                          | GN = Green       | Par-o-Cut             |
| STW18             | 1.14                   | 0.2                          | BE = Blue        | Printed Markers       |
| STW19             | 1.02                   | 0.18                         | VT = Violet      | Resistor Colour Coded |
| STW20             | 0.89                   | 0.18                         | GY = Grey        | Kit Boxes             |
| STW22             | 0.71                   | 0.15                         | WE = White       |                       |
| STW24             | 0.58                   | 0.15                         | PK = Pink        |                       |
| STW26             | 0.51                   | 0.15                         | TR = Transparent |                       |
| STW28             | 0.41                   | 0.15                         |                  |                       |

Please contact us for any sizes not listed.....

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## Product Properties

Applicable Standards: BS 2848 Type 6 Class 250T; BS EN 60684; BS EN ISO 13000

| Property              | Test Method | Result               |
|-----------------------|-------------|----------------------|
| Operating Temperature |             | -70°C to +260°C      |
| Flammability*         |             | UL94 V-0             |
| Elongation at Break   |             | 350%                 |
| Tensile Strength      |             | 33 N/mm <sup>2</sup> |
| Water Absorption      |             | <0.01%               |
| Dielectric Strength   |             | 19.7KV/mm            |
| Oxygen Index          |             | >95%                 |
| Melting Temperature   |             | 253-282°C            |
| Thermal Conductivity  |             | 0.25-0.50W/m.K       |

\*Results derived from UL registered product.

## Business Management Accreditations



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