

# STFE Sleeveings

## STFE Series



### Features:

STFE sleeving can be used in areas of high temperature for covering wires, connectors, components etc. It offers protection against corrosion/contaminations etc. due to vegetable/mineral oils, acids and alkalies, ultra-violet light etc. As an insulating material it is excellent and has benefit of resisting melt off soldering irons when making terminations. It's resistant to virtually all corrosive chemicals and It's dielectric properties favour it for electronic and electrical services. The tubing meets BS2848 Type 6.

Operating Temperature : -65°C to +250°C  
Colour : Natural  
Coil Length : 5 m

### Specifications:

| Properties  |   |
|---|---|
| Ultimate Tensile Strength, psi<br>(ASTM D 638)                      | 2,500 - 4,000<br>(23°C)<br>1,500 (250°C)                  |
| Ultimate Elongation, %<br>(ASTM D 638)                              | 225 - 450<br>(23°C)<br>350 (250°C)                        |
| Coefficient of Friction<br>(Dynamic)                                | 0.1   |
| Flexural Modulus,<br>psi x 103<br>(ASTM D 798)                      | 50 to 90<br>(23°C)<br>4 (250°C)                           |
| Impact Strength<br>Notched Izod, Ft.Lb/In.,<br>(ASTM D 256)         | 3 (23°C)<br>>6 (77°C)<br>1.5 (-79°C)                      |
| Continuous Use Temperature<br>°C                                    | 260   |
| Heat Deflection Temperature<br>66psi, °C<br>(ASTM D 648)            | 122   |
| Specific Gravity<br>(ASTM D 792)                                    | 2.11 -2.19  |
| Dielectric Strength (ASTM D 149)<br>Short Term<br>Volts/Mil 10 Mils | >1,400  |
| Dielectric Constant<br>(ASTM D 150)                                 | 2.05 ±0.05<br>from 10 <sup>2</sup> to 10 <sup>10</sup> Hz |
| Melting Point<br>°C   | 327 ±11   |

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Specification Table:

| Bore (AWG) | Bore | Wall Thickness | Inside Diameter |      |      | Wall Dimensions          |       |                      |       |                             |       | Part Number  |              |
|------------|------|----------------|-----------------|------|------|--------------------------|-------|----------------------|-------|-----------------------------|-------|--------------|--------------|
|            |      |                | Min.            | Nom. | Max. | Standard Wall Bulletin 1 |       | Thin Wall Bulletin 2 |       | Lightweight Wall Bulletin 3 |       |              |              |
|            |      |                |                 |      |      | Max.                     | Tol.  | Max.                 | Tol.  | Max.                        | Tol.  |              |              |
| 22         | 0.71 | 0.25           | 0.66            | 0.71 | 0.81 | 0.3                      | ±0.05 | 0.25                 |       |                             |       |              | STFE22-5MNAT |
| 20         | 0.86 | 0.3            | 0.81            | 0.86 | 0.97 | 0.41                     | ±0.08 | 0.3                  | ±0.08 | 0.15                        | ±0.05 |              | STFE20-5MNAT |
| 18         | 1.07 |                | 1.02            | 1.07 | 1.17 |                          |       |                      |       |                             |       |              | STFE18-5MNAT |
| 16         | 1.35 |                | 1.29            | 1.35 | 1.47 |                          |       |                      |       |                             |       |              | STFE16-5MNAT |
| 15         | 1.5  |                | 1.45            | 1.5  | 1.65 |                          |       |                      |       |                             |       | STFE15-5MNAT |              |
| 13         | 1.93 |                | 1.83            | 1.93 | 2.06 |                          |       |                      |       |                             |       | STFE13-5MNAT |              |
| 10         | 2.69 |                | 2.59            | 2.69 | 2.84 |                          |       |                      |       |                             |       | STFE10-5MNAT |              |
| 9          | 3    | 0.38           | 2.89            | 3    | 3.15 | 0.51                     | ±0.1  | 0.38                 |       | 0.2                         |       | STFE9-5MNAT  |              |

Dimensions : Millimetres

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