

# TECHNICAL DATA SHEET

**Part No.** 309-65102  
**Article No.** 309-65102  
**Type** TFN21-ST 1.6/0.8



TFN21 is a highly flexible thin wall heat shrink tubing with a 2 to 1 shrink ratio and excellent flame retardant properties. In addition to providing insulation and abrasion protection for wires and cables, the polyolefin material also offers resistance to oils, solvents and chemicals. Available in mini reels, bulk reels and sticks, for small to large volume applications.

|                                            |                                   |
|--------------------------------------------|-----------------------------------|
| <b>Material</b>                            | Polyolefin, cross-linked (PO-X)   |
| <b>Shrink Ratio</b>                        | 2:1                               |
| <b>Longitudinal Change After Shrinkage</b> | +/-5%                             |
| <b>Min. Shrink Temperature</b>             | +158 °F (+70 °C)                  |
| <b>Operating Temperature</b>               | -67°F to +275°F (-55°C to +135°C) |
| <b>Dielectric Strength</b>                 | 20 kV/mm                          |
| <b>Flammability</b>                        | UL 224 VW-1                       |
| <b>Halogen Free</b>                        | No                                |
| <b>UV Resistant</b>                        | No                                |
| <b>Use Conditions</b>                      | For Indoor Use Only               |
| <b>Color</b>                               | Red (RD)                          |
| <b>Pkg. Qty.</b>                           | 20                                |
| <b>Carton Qty.</b>                         | 160                               |
| <b>Customs Number</b>                      | 3926909988                        |

|                                        |          |
|----------------------------------------|----------|
| <b>Dielectric Strength</b>             | 20 kV/mm |
| <b>Length (metric)</b>                 | 300 m    |
| <b>Max. Bundle Diameter (imperial)</b> | 0.06 "   |
| <b>Max. Bundle Diameter (metric)</b>   | 1.6 mm   |
| <b>Min. Bundle Diameter (imperial)</b> | 0.03 "   |
| <b>Min. Bundle Diameter (metric)</b>   | 0.8 mm   |
| <b>Recovered Diameter (imperial)</b>   | 0.032 "  |
| <b>Recovered Diameter (metric)</b>     | 0.8 mm   |
| <b>Shrink Ratio</b>                    | 2:1      |
| <b>Supplied Diameter (imperial)</b>    | 0.063 "  |
| <b>Supplied Diameter (metric)</b>      | 1.6 mm   |
| <b>Tensile Strength</b>                | 14 MPa   |
| <b>Wall Thickness (imperial)</b>       | .016 "   |
| <b>Wall Thickness (metric)</b>         | 0.40 mm  |

RoHS ✓

