

# HEAT-SHRINKABLE TUBING

## WSS-B2(3X) Polyolefin Heat Shrink Tubing



### Highlights

- Operating temperature - 45 °C to 125 °C
- Zero halogen
- Simple, good, inexpensive
- Flexible
- Shrink ratio 3:1
- Shrink temperature 120 °C
- Colour: black
- RoHS und REACH compliant
- Approval: UL 224

### Dimensions

| Art.-No. | ID Supplied (mm) |                   | ID Recovered (mm) |                | Standard Package |
|----------|------------------|-------------------|-------------------|----------------|------------------|
|          | Dimension        | Internal Diameter | Internal Diameter | Wall Thickness | Spool (m)        |
| Zxxxxx   | 1.5/0.5          | ≥1.50             | ≤0.5              | 0.45±0.10      | 200              |
| Zxxxxx   | 3.0/1.0          | ≥3.00             | ≤1.0              | 0.55±0.10      | 200              |
| Zxxxxx   | 4.5/1.5          | ≥4.50             | ≤1.5              | 0.60±0.10      | 100              |
| Zxxxxx   | 6.0/2.0          | ≥6.00             | ≤2.0              | 0.65±0.10      | 100              |
| Zxxxxx   | 9.0/3.0          | ≥9.00             | ≤3.0              | 0.75±0.15      | 100              |
| Zxxxxx   | 12/4             | ≥12.0             | ≤4.0              | 0.75±0.15      | 100              |
| Zxxxxx   | 15/5             | ≥15.0             | ≤5.0              | 0.80±0.15      | 100              |
| Zxxxxx   | 18/6             | ≥18.0             | ≤6.0              | 0.85±0.15      | 100              |
| Zxxxxx   | 24/8             | ≥24.0             | ≤8.0              | 1.00±0.20      | 50               |
| Zxxxxx   | 30/10            | ≥30.0             | ≤10.0             | 1.15±0.20      | 50               |
| Zxxxxx   | 39/13            | ≥39.0             | ≤13.0             | 1.50±0.20      | 50               |
| Zxxxxx   | 50/16            | ≥50.0             | ≤16.0             | 2.50±0.20      | 25               |
| Zxxxxx   | 60/20            | ≥60.0             | ≤20.0             | 2.60±0.20      | 25               |
| Zxxxxx   | 70/23            | ≥70.0             | ≤23.0             | 2.60±0.20      | 25               |
| Zxxxxx   | 80/26            | ≥80.0             | ≤26.0             | 2.60±0.20      | 25               |
| Zxxxxx   | 90/30            | ≥90.0             | ≤30.0             | 2.60±0.20      | 25               |
| Zxxxxx   | 100/33           | ≥100.0            | ≤33.0             | 2.60±0.20      | 25               |

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We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,  
CUSTOMER-ORIENTED**

**HEINRICH THULESIUS GMBH & CO. KG**  
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## WSS-B2(3X)

Polyolefin Heat Shrink Tubing

### Technical characteristics

| Property   | Test Method                        | Requirement                              | Typical Value          |
|------------|------------------------------------|--|------------------------|
| Physical   | Tensile Strength                   | ASTM D 2671, $\geq 10,4$ MPa             | Pass                   |
|            | Elongation at Break                | ASTM D 2671, $\geq 200\%$                | Pass                   |
|            | Elongation after heat ageing       | UL224 158 °C/168h, $\geq 100\%$          | Pass                   |
|            | Tensile Strength after heat ageing | UL224 158 °C/168h, 7,3 MPa               | Pass                   |
|            | Longitudinal Change                |  | $\pm 5\%$              |
| Thermal    | Shrink Temperature                 | Full recovery                            | 120 °C                 |
|            | Min. Shrink Temperature            |  | 70 °C                  |
|            | Continuous Operating Temp.         |  | -45 °C to +125 °C      |
|            | Cold Shock                         | UL224                                    | No cracking            |
| Chemical   | Heat Shock                         | UL224 260 °C/4h, no cracking or dripping | Pass                   |
|            | Flammability                       | UL224                                    | Flame-retardant        |
|            | Corrosivity                        | UL224, 158 °C/168h                       | No                     |
| Electrical | Copper Compatibility               | UL224, 158 °C/168h                       | Pass                   |
|            | Dielectric Strength                | UL224                                    | No breakdown to 2,5 kV |
|            | Volume Resistivity                 | GB/T1408 $>15$ kV/mm                     | Pass                   |

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