



DUNBAR-DC-M321A

3:1 SHRINK RATIO, DUAL-WALL, FLAME RETARDANT, POLYOLEFIN TUBING

Applications

DUNBAR-DC-M321A is a flexible, high shrink ratio, flame retardant heat shrinkable polyolefin tube with an adhesive lining which flows when heated. It is suitable to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connector-to-cable transitions.

Features

- ★ Shrink ratio: 67% or more in the radial direction, 15% or less in the axial direction
- ★ In stock for immediate shipment
- ★ Continuous operating temperature: - 55°C (-67°F) to 110°C (230°F)
- ★ Flammability: UL VW-1 (Jacket only)
- ★ Excellent electrical properties
- ★ High resistance to abrasion, chemicals and oils

Standard

- ★ Meets the material and performance specification of AS23053/4 Class 3
Not QPL (Mil-Spec) Approved
- ★ UL 224 (File Number: E319303)
- ★ RoHS2 & REACH Compliant

Specification Values

| Property | | Test Method | Value | |
|----------------|----------------------|---------------------|-----------------|---------------------------------|
| Physical | Unaged | Tensile strength | ASTM D 638 | Min. 1300 psi |
| | | Elongation | | Min. 250% |
| | Fluid Resist. | Tensile strength | ASTM D 638 | Min. 900 psi |
| | | Dielectric strength | ASTM D2671 | Min. 200 Volts/mil |
| | Heat shock | | 250°C/4 hrs | No cracks, flowing, or dripping |
| | Low temperature flex | | ASTM D746 | No crack @-55°C |
| Secant Modulus | | ASTM 882 | Max. 25,000 psi | |
| Electrical | Dielectric strength | | ASTM D2671 | Min. 300 Volts/mil |
| | Volume resistivity | | ASTM D876 | Min. 1x10 ¹² Ω - cm |
| Chemical | Copper corrosion | | 121°C/16hrs | No corrosion |
| | Fungus resistance | | ASTM G21 | No growth |
| | Water Absorption | | ASTM D570 | Max. 1.0% |
| | Flammability | | ASTM D2671 | Pass |

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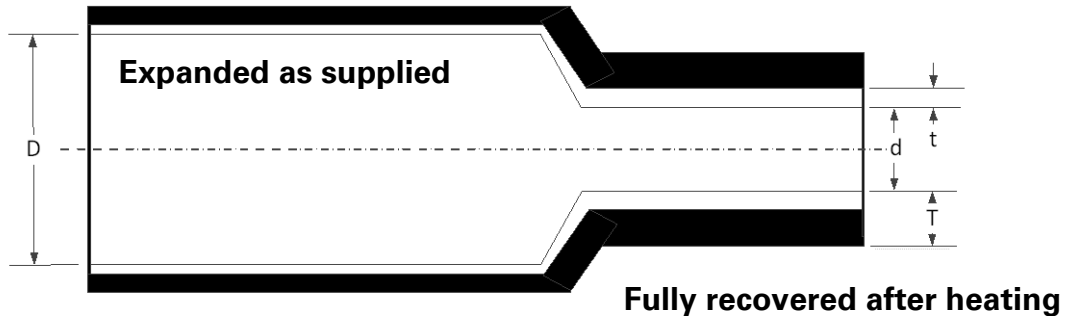
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Product Dimensions

Minimum Shrink Temperature: 120°C

| Size | Expanded | | Recovered | | | | | | Standard Length |
|--------|------------------------------|------|------------------------------|------|------------------------------------|-----|---------------------------------------|-----|-----------------|
| | Internal Diameter (min.) (D) | | Internal Diameter (max.) (d) | | Total Wall Thickness (Nominal) (T) | | Adhesive Wall Thickness (Nominal) (t) | | |
| | In. | mm | In. | Mm | In. | mm | In. | mm | |
| 1/8" | 0.120 | 3.0 | 0.040 | 1.0 | 0.040 | 1.0 | 0.015 | 0.4 | 4 |
| 3/16" | 0.181 | 4.8 | 0.059 | 1.5 | 0.040 | 1.0 | 0.019 | 0.5 | 4 |
| 1/4" | 0.240 | 6.1 | 0.080 | 2.0 | 0.040 | 1.0 | 0.020 | 0.5 | 4 |
| 3/8" | 0.374 | 9.5 | 0.118 | 3.0 | 0.047 | 1.2 | 0.025 | 0.6 | 4 |
| 1/2" | 0.470 | 11.9 | 0.160 | 4.1 | 0.070 | 1.8 | 0.030 | 0.7 | 4 |
| 3/4" | 0.752 | 19.1 | 0.236 | 6.3 | 0.078 | 2.0 | 0.040 | 1.0 | 4 |
| 1" | 0.940 | 23.9 | 0.320 | 8.1 | 0.100 | 2.5 | 0.040 | 1.0 | 4 |
| 1-1/2" | 1.570 | 39.9 | 0.510 | 13.0 | 0.100 | 2.5 | 0.040 | 1.0 | 4 |

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