

Part # W3C

Clear
 Dual Wall Adhesive Lined
 3 to 1 Ratio
 Flexible Polyolefin
 (For colors use W3B2)



| | Specification Reference |
|----------|-------------------------|
| UL | ○ |
| VW-1 | ○ |
| CSA | ○ |
| MIL Spec | ○ |

Replaces
 Raychem ATUM Clear

| | |
|------------------------|---|
| Description | W3C is a clear, flexible, flame retardant heat-shrinkable polyolefin tubing with a thick wall of modified polyamide adhesive which melts and flows, encapsulating and sealing components contained within. (For colors use W3B2). |
| Uses | W3C is recommended for applications requiring water-proofing for light cable and wire harnesses and protection of connector components. Its 3 to 1 shrink ratio allows it to easily fit over irregular surfaces and large connectors. |
| Operating Temp | -55°C, to +110°C |
| Shrink Temp | 115°C |
| Standard Put-up | Bag - 4 foot lengths, packaged in plastic bags. |

| | Property (units) | Test Method | Requirements |
|-------------------|---|---------------|----------------------------|
| Physical | Tensile Strength (psi) | ASTM D638 | 1500 MIN. |
| | Elongation (%) | ASTM D638 | 200 MIN. |
| | Cold Impact (-55°C) | ASTM D746 | No Cracking |
| | Heat shock (250°C, 4 Hrs.) | AMS-DTL-23053 | No Cracking |
| | Longitudinal change (%) | AMS-DTL-23053 | +5, -15 |
| | Secant modulus (psi) | AMS-DTL-23053 | 25000 MAX. |
| Electrical | Dielectric strength (volts/mil) | ASTM D876 | 500 MIN. |
| | Volume resistivity (ohm-cm) | ASTM D876 | 1.0 x 10 ¹⁵ MIN |
| Chemical | Corrosion (121°C, 16 Hrs.) | AMS-DTL-23053 | No Corrosion |
| | Water absorption (%) | ASTM D570 | 0.5 MAX. |
| | Fluid Resistance (23°C, 24 Hrs.) Tensile Strength (psi) | AMS-DTL-23053 | 900 MIN. |
| | Flammability | | N/A |
| | Shrink Temperature (nominal) | | 115°C |

Wholesale Pricing on Full Spools/Bags

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Part #

| Inside Diameter Before Shrinking (minimum) | | Inside Diameter After Shrinking (maximum) | Post Shrink Wall Thickness | Full Bag Length | Price: | Color Selection | | | | | | | | | | | |
|--|----------------|---|-------------------------------------|-----------------------|--------------------|-----------------|-------|-----|--------|--------|-------|------|--------|------|-------|-------|----|
| | | | | | | per bag | BK | BR | RD | OR | YL | GN | BL | VI | GY | WH | CL |
| mm | inches | mm (inches) | mm (inches) | in feet | per foot | black | brown | red | orange | yellow | green | blue | violet | gray | white | clear | |
| 3.2 | 1/8 0.125 | 0.600 (0.023) | 0.960 (0.038) | 200 | \$217.60 \$1.28 | X | X | X | X | X | X | X | X | X | X | X | |
| 4.8 | 3/16 0.1875 | 1.500 (0.059) | 1.092 (0.043) | 200 | \$249.90 \$1.47 | X | X | X | X | X | X | X | X | X | X | X | |
| 6.4 | 1/4 0.250 | 2.000 (0.078) | 1.193 (0.047) | 200 | \$311.10 \$1.83 | X | X | X | X | X | X | X | X | X | X | X | |
| 9.5 | 3/8 0.375 | 3.000 (0.118) | 1.270 (0.050) | 100 | \$173.40 \$2.04 | X | X | X | X | X | X | X | X | X | X | X | |
| 12.7 | 1/2 0.500 | 4.000 (0.157) | 1.397 (0.055) | 100 | \$196.35 \$2.31 | X | X | X | X | X | X | X | X | X | X | X | |
| 19.1 | 3/4 0.750 | 8.000 (0.315) | 1.650 (0.065) | 60 | \$157.08 \$3.08 | X | X | X | X | X | X | X | X | X | X | X | |
| 25.4 | 1 1.000 | 10.200 (0.400) | 1.900 (0.075) | 60 | \$235.11 \$4.61 | X | X | X | X | X | X | X | X | X | X | X | |

Available in Clear Only
(For colors use W3B2)

NOTE: Some types of heat shrink, for instance semi-rigid and dual wall types are manufactured in 4 foot lengths. The rigid and semi-rigid ones do not bend without kinking, the adhesives in dual walls tend to stick or block shut when spooled.

4 foot lengths, packaged in plastic bags.

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
| Lead Time: 1 day | Lead Time: up to 50 days | Lead Time: up to 100 days | Lead Time: up to 200 days | Not Possible |

The above lead time guidelines are estimated only. They may be longer (not usually) or they may be shorter (typically). Regarding products with 100 & 200 day lead time; pricing may vary, and a minimum order with deposit may be required. Oh... and by the way, everything can change without notice and/or liability.