

Customer Specification

PART NO. FIT-350-3/64

Construction

| | |
|---|------------------------|
| 1) Tubing Type | Heat Shrinkable Tubing |
| 2) Tubing Material | Irradiated PVDF |
| 3) Minimum Supplied ID(In) | 0.046 |
| 4) Maximum Recovered ID (In) | 0.023 |
| 5) Nominal Recovered Wall Thickness(In) | 0.010 |
| 6) Color(s) | CLEAR |
| | |

Applicable Specifications

| | | |
|----------|-----------------|------------------------------|
| 1) UL | Standard 224 | 150°C / 600 V _{RMS} |
| | VW-1 | |
| 2) Other | AMS-DTL-23053/8 | |
| | | |

Environmental

| | |
|-------------------------------------|--|
| 1) EU Directive 2011/65/EU(RoHS2): | |
| | All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C . |
| 2) REACH Regulation (EC 1907/2006): | |
| | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration . |
| 3) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |
| | |

Properties

| Physical & Mechanical Properties | | |
|-----------------------------------|--------------------------------|---------------|
| 1) Temperature Range | -55 to 175°C | |
| 2) Shrink Ratio | Approximately 2:1 | |
| 3) Full Recovery Temperature | 175°C | |
| 4) Tensile Strength | 5000psi, Min | ASTM D638 |
| 5) Elongation | 150%, Min | ASTM D638 |
| 6) Low Temperature Flex(-55°C) | no cracking | AMS-DTL-23053 |
| 7) Heat Resistance(250°C,168hrs) | 100% Elongation, Min | ASTM D638 |
| 8) Heat Shock(300°C,4hrs) | no cracking | AMS-DTL-23053 |
| 9) Secant Modulus | 1x10 ⁵ psi, Min | ASTM D882 |
| 10) Longitudinal Change | +/-10% | AMS-DTL-23053 |
| 11) Specific Gravity | 1.80, Max | ASTM D792 |
| 12) Deformation(125°C,1 hr) | 50% Max | UL 224 |
| 13) Shelf Life | 5 Years @ 18 to 35°C | |
| Electrical Properties | | |
| 1) Dielectric Strength | 800 V/mil, Min | ASTM D876 |
| 2) Volume Resistivity | 1x10 ¹³ ohm-cm, Min | ASTM D876 |
| Chemical Properties | | |
| 1) Water Absorption | 0.50%, Max | ASTM D570 |
| 2) Copper stability(250°C,168hrs) | 70% Elongation, Min | UL 224 |
| 3) Corrosion(250°C,16hrs) | no corrosion | AMS-DTL-23053 |
| 4) Fluid Resistance(23°C,24 Hrs) | 5000 PSI, Min | AMS-DTL-23053 |
| 5) Fungus Resistance | Pass | AMS-DTL-23053 |
| 6) Vacuum Outgassing - CVCM | 0.03%, Max | ASTM E595 |
| 7) Vacuum Outgassing - TML | 0.11%, Max | ASTM E595 |
| 8) Halogen Free | No | |
| 9) Lead Free | Yes | |

Other

| Packaging | |
|------------------|--|
| 25X4 FT, 32X6 IN | |

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Alpha Wire □□□□FIT-350-3/64

☐ Alpha ☐ 2011/65/EU ☐ RoHS2 ☐ 2015/863/EU
☐ RoHS ☐ SJ/T 11364-2014

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|--|---------------------------|
| Lead | □□□□□□□□□□0.1% (1000 ppm) |
| Mercury | □□□□□□□□□□0.1% (1000 ppm) |
| Cadmium | □□□□□□□□□□0.01% (100 ppm) |
| Hexavalent Chromium | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Biphenyls (PBB) | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE | □□□□□□□□□□0.1% (1000 ppm) |
| Bis(2-ethylhexyl) phthalate (DEHP) | □□□□□□□□□□0.1% (1000 ppm) |
| Butyl benzyl phthalate (BBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Dibutyl phthalate (DBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Diisobutyl phthalate (DIBP) | □□□□□□□□□□0.1% (1000 ppm) |

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