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Customer Specification

PART NO. PVC-105-1-1/4

Construction

| | |
|-------------------------------|-----------------------|
| 1) Tubing Type | Tubing Non Shrinkable |
| 2) Tubing Material | PVC |
| 3) Minimum ID(In) | 1.250 |
| 4) Maximum ID(In) | 1.290 |
| 5) Nominal Wall Thickness(In) | 0.040 |
| 6) Color(s) | BLACK, CLEAR |

Applicable Specifications

| | | |
|----------------------|---|--|
| 1) UL | Standard 224 | |
| | VW-1 | |
| 2) CSA International | Standard 198 | |
| 3) Military | MIL-I-631D, Type F, Form U, Subform Ua, Grade C | |
| 4) Other | ASTM D 922 | |

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 | -20 to 105°C | |
| 2) Tensile Strength | 2780psi, Min | ASTM D638 |
| 3) Elongation | 260%, Min | ASTM D638 |
| 4) Specific Gravity | 1.35, Max | ASTM D792 |
| Electrical Properties | | |
| 1) Dielectric Strength | 870 V/mil, Min | ASTM D876 |
| 2) Volume Resistivity | 2x10 ¹⁴ ohm-cm, Min | ASTM D876 |
| Chemical Properties | | |
| 1) Corrosion(0°C, 16hrs) | no corrosion | AMS-DTL-23053 |
| 2) Fungus Resistance | Pass | AMS-DTL-23053 |
| 3) Halogen Free | No | |
| 4) Lead Free | Yes | |

Other

| Packaging | |
|---|-------|
| 50 FT | Notes |
| 1) Size #24 through Size #1: UL rated for 300V | |
| 2) Size 5/16 through Size 2": UL rated for 600V | |

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