

WIRE MANAGEMENT PRODUCTS

MULTI-PURPOSE PVC TUBING PVC-105

UL STANDARD 224,
CSA STANDARD 198, MIL-I-631D, RoHS COMPLIANT

CHOOSE PVC TUBING FOR:

- Flexible Wire Protection
- Resistance to Heat, Oil, and Abrasion



In accordance with NEMA standards, may contain more than one length. PVC-105-24 to PVC-105-1 are available air spooled.

PVC TUBING APPLICATIONS:

- Wire Harnesses
- Ground Strap Protection

CHARACTERISTICS

OPERATING TEMPERATURE:

- 20°C to 105°C

COLOR DESCRIPTION:

- Size 24 to 1-1/2 Inches: Black, Clear
- Size 2 Inches to 2-1/2 Inches: Black

PHYSICAL PROPERTIES:

- Tensile Strength: 1800 psi, (127 kg/cm²)
- Ultimate Elongation: 300%
- Specific Gravity: Clear 1.25, Black 1.35
- Flammability: Self-Extinguishing (UL VW-1)

CHEMICAL PROPERTIES:

- Corrosive Effect: Non-Corrosive
- Fungus Resistance: No Growth
- Water Absorption: 0.5%

ELECTRICAL PROPERTIES:

- Dielectric Strength: 800V/mil (315 kV/cm)
- Volume Resistivity: 10¹¹ ohm-cm

SPECIFICATIONS

- UL Standard 224
- CSA Standard 198
- MIL-I-631D
- RoHS Compliant

| Alpha Part No. and Size (AWG or Inches) | Nominal Inside Diameter | | Nominal Wall Thickness | | Standard Put-Up Spools (Ft.) |
|---|-------------------------|-------|------------------------|------|------------------------------|
| | Inches | mm | Inches | mm | |
| PVC-105-24 | 0.022 | 0,55 | 0.012 | 0,30 | 1000 |
| PVC-105-22 | 0.027 | 0,68 | 0.012 | 0,30 | 100, 1000 |
| PVC-105-20 | 0.034 | 0,86 | 0.016 | 0,41 | 1000 |
| PVC-105-19 | 0.038 | 0,96 | 0.016 | 0,41 | 1000 |
| PVC-105-18 | 0.042 | 1,07 | 0.016 | 0,41 | 100, 1000 |
| PVC-105-17 | 0.047 | 1,19 | 0.016 | 0,41 | 100, 1000 |
| PVC-105-16 | 0.053 | 1,35 | 0.016 | 0,41 | 100, 1000 |
| PVC-105-15 | 0.059 | 1,50 | 0.016 | 0,41 | 100, 1000 |
| PVC-105-14 | 0.066 | 1,68 | 0.016 | 0,41 | 100, 500 |
| PVC-105-13 | 0.076 | 1,93 | 0.016 | 0,41 | 100, 500 |
| PVC-105-12 | 0.085 | 2,16 | 0.016 | 0,41 | 500 |
| PVC-105-11 | 0.095 | 2,41 | 0.016 | 0,41 | 100, 500 |
| PVC-105-10 | 0.106 | 2,69 | 0.016 | 0,41 | 500 |
| PVC-105-9 | 0.118 | 3,00 | 0.020 | 0,50 | 500 |
| PVC-105-8 | 0.133 | 3,38 | 0.020 | 0,50 | 100, 500 |
| PVC-105-7 | 0.148 | 3,76 | 0.020 | 0,50 | 100, 500 |
| PVC-105-6 | 0.166 | 4,22 | 0.020 | 0,50 | 100, 500 |
| PVC-105-5 | 0.186 | 4,72 | 0.020 | 0,50 | 100, 500 |
| PVC-105-4 | 0.208 | 5,28 | 0.020 | 0,50 | 100, 250 |
| PVC-105-3 | 0.234 | 5,94 | 0.020 | 0,50 | 100, 250 |
| PVC-105-2 | 0.263 | 6,68 | 0.020 | 0,50 | 250 |
| PVC-105-1 | 0.294 | 7,47 | 0.020 | 0,50 | 100, 250 |
| PVC-105-0 | 0.330 | 8,38 | 0.020 | 0,50 | 100, 250 |
| PVC-105-5/16 | 0.312 | 7,92 | 0.025 | 0,63 | 100, 250 |
| PVC-105-3/8 | 0.375 | 9,52 | 0.025 | 0,63 | 100, 250 |
| PVC-105-7/16 | 0.438 | 11,12 | 0.025 | 0,63 | 100 |
| PVC-105-1/2A | 0.500 | 12,70 | 0.025 | 0,63 | 100 |
| PVC-105-9/16 | 0.562 | 14,27 | 0.030 | 0,76 | 100 |
| PVC-105-5/8 | 0.625 | 15,87 | 0.030 | 0,76 | 100 |
| PVC-105-3/4 | 0.750 | 19,05 | 0.035 | 0,88 | 50 |
| PVC-105-7/8 | 0.875 | 22,22 | 0.035 | 0,88 | 50 |
| PVC-105-1 IN | 1.000 | 25,40 | 0.035 | 0,88 | 50 |
| PVC-105-1-1/8 | 1.125 | 28,57 | 0.035 | 0,88 | 50 |
| PVC-105-1-1/4 | 1.250 | 31,75 | 0.040 | 1,02 | 50 |
| PVC-105-1-1/2 | 1.500 | 38,10 | 0.045 | 1,14 | 50 |
| PVC-105-2 IN | 2.000 | 50,80 | 0.060 | 1,52 | 50 |
| PVC-105-2-1/2 | 2.500 | 63,50 | 0.070 | 1,78 | 50 |

