

# 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/cm<sup>2</sup>)
- 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: 10<sup>11</sup> ohm-cm

### SPECIFICATIONS

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

| Alpha<br>Part No.<br>and Size<br>(AWG or Inches) | Nominal<br>Inside Diameter |       | Nominal<br>Wall Thickness |      | Standard<br>Put-Up<br>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                                 |



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