

# 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 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



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