



# 4900

## Flexible PVC Tubing



### Uses and Features

Continuous service rated for 105°C

Excellent general purpose flexible tubing

Resistant to most common chemicals and oils

Excellent UV stability

Meets EU "Lead Free" requirements

### Certifications

UL 224 VW-1

CSA OFT

Size #24 through Size #1: UL rated 300V

Size 5/16 through Size 2": UL rated 600V

AMS 3631

ASTM D 922

MIL-I-631D Grade C QPL Approved

## Flexible PVC Tubing



## TUBING

## Summary of Properties

| Category   | Property            | Units  | Value                |
|------------|---------------------|--------|----------------------|
| Mechanical | Specific Gravity    | g/cc   | 1.32                 |
|            | Tensile Strength    | psi    | 2780                 |
|            | Ultimate Elongation | %      | 260                  |
| Electrical | Volume Resistivity  | ohm-cm | $1.6 \times 10^{14}$ |
|            | Dielectric Strength | v/mil  | 870                  |
| Thermal    | Flammability        | N/A    | VW-1                 |

| Nominal I.D. |       |       | Nominal Wall |      | Standard Packaging (Per Box) — Product on Spools |               |
|--------------|-------|-------|--------------|------|--------------------------------------------------|---------------|
| AWG No.      | in.   | mm    | in.          | mm   | ft./Spool                                        | Total ft./Box |
| 24           | .022  | 0.56  | .012         | 0.30 | 2,500'                                           | 5,000'        |
| 22           | .027  | 0.69  | .012         | 0.30 | 2,500'                                           | 5,000'        |
| 20           | .034  | 0.86  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 19           | .038  | 0.97  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 18           | .042  | 1.07  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 17           | .047  | 1.19  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 16           | .053  | 1.35  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 15           | .059  | 1.50  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 14           | .066  | 1.68  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 13           | .076  | 1.93  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 12           | .085  | 2.16  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 11           | .095  | 2.41  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 10           | .106  | 2.69  | .016         | 0.41 | 1,000'                                           | 4,000'        |
| 9            | .118  | 3.00  | .020         | 0.51 | 1,000'                                           | 4,000'        |
| 8            | .133  | 3.38  | .020         | 0.51 | 1,000'                                           | 4,000'        |
| 7            | .148  | 3.76  | .020         | 0.51 | 1,000'                                           | 4,000'        |
| 6            | .166  | 4.21  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 5 (3/16)     | .186  | 4.72  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 4            | .208  | 5.28  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 3            | .234  | 5.94  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 1/4          | .250  | 6.35  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 2            | .263  | 6.68  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 1            | .294  | 7.47  | .020         | 0.51 | 1,000'                                           | 2,000'        |
| 5/16         | .313  | 7.94  | .025         | 0.64 | 500'                                             | 1,000'        |
| 0            | .330  | 8.38  | .025         | 0.64 | 500'                                             | 1,000'        |
| 3/8          | .375  | 9.53  | .025         | 0.64 | 500'                                             | 1,000'        |
| 7/16         | .438  | 11.11 | .025         | 0.64 | 500'                                             | 1,000'        |
| 1/2          | .500  | 12.70 | .025         | 0.64 | 500'                                             | 1,000'        |
| 9/16         | .563  | 14.29 | .030         | 0.76 | 250'                                             | 500'          |
| 5/8          | .625  | 15.88 | .030         | 0.76 | 250'                                             | 500'          |
| 3/4          | .750  | 19.05 | .035         | 0.89 | 250'                                             | 500'          |
| 7/8          | .875  | 22.23 | .035         | 0.89 | 100'                                             | 400'          |
| 1"           | 1.000 | 25.40 | .035         | 0.89 | 100'                                             | 400'          |
| 1 1/8        | 1.125 | 28.58 | .035         | 0.89 | 100'                                             | 400'          |
| 1 1/4        | 1.250 | 31.75 | .040         | 1.02 | 100'                                             | 400'          |
| 1 3/8        | 1.375 | 34.93 | .045         | 1.14 | 50'                                              | 200'          |
| 1 1/2        | 1.500 | 38.10 | .045         | 1.14 | 50'                                              | 200'          |
| 1 3/4        | 1.750 | 44.45 | .055         | 1.40 | 50'                                              | 200'          |
| 2"           | 2.000 | 50.80 | .060         | 1.52 | 50'                                              | 200'          |

**Standard Colors:** Black, White, Red, Yellow, Clear; Sizes above 1 inch: Black, White, Clear

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.