

PVC Insulating Tubing

pro-POWER



RoHS
Compliant



Features:

- UL Subject 224 VW-1. CSA OFT, Size# 24 - Size# 1 rated for 300V, Size 5/16" to 2" rated for 600V. ASTM D 922. AMS 3631. MIL-1-631 D Grade C QPL Approved.
- UL File No. E52331

Specifications:

Body Material : PVC
For Use With : Cable & Wire
Sleeving / Tubing Type : Insulating
Operating Temperature Range : -20°C to +105°C

| Property | Test Method | Typical Volume |
|---|---------------------|----------------------|
| Specific Gravity | ASTM D 792 | 1.32 |
| Durometer Shore A | ASTM D 2240 | 91 |
| Tensile Strength | ASTM D 876 | 2,800psi |
| Elongation | ASTM D 876 | 2.88 |
| Brittleness Temperature | ASTM D 746 | -20°C |
| Heat Aging 7 Days @ 136°C | UL Subject 224 | 81% |
| Heat Aging 14 Days@ 131°C | CSA 22.2 No.198 | Pass |
| Oil Aging 4 Hours @ 70°C SAE 20 | CSA 22.2 No.198 | 85% |
| Insulating Varnish Test 20 hours @ 150°C in Isonel 31 | CSA 22.2 No.198 | Pass |
| Flammability | UL Subject 224 VW-1 | Pass |
| Deformation 1 hour @ 121°C | UL Subject 224 | 22% |
| Volume Resistivity | ASTM D 257 | 5.4×10^{12} |
| Dielectric Constant @ 1 KHz | ASTM D 150 | 6.0 |
| Dissipation Factor@ 1KHz | ASTM D 150 | 0.09 |
| Dielectric Strength 0.021" Specimen | ASTM D 149 | 750vpm |

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

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Part Number Table

| Description | AWG Size | Nominal I.D | | Nominal Wall Thickness | | Spool Size (Feet) | Part Number | |
|-----------------------|----------|-------------|-------|------------------------|------|-------------------|------------------|------------------|
| | | Inches | (mm) | Inches | (mm) | | Colour Black | Colour Clear |
| PVC Insulating Tubing | 24 | 0.022 | 0.56 | 0.012 | 0.30 | 100 | PVI-S24-1100-BLK | PVI-S24-1100-CLR |
| | 22 | 0.027 | 0.69 | | | | PVI-S22-1100-BLK | PVI-S22-1100-CLR |
| | 20 | 0.034 | 0.86 | 0.016 | 0.41 | | PVI-S20-1100-BLK | PVI-S20-1100-CLR |
| | 19 | 0.038 | 0.97 | | | | PVI-S19-1100-BLK | N/A |
| | 18 | 0.042 | 1.07 | | | | PVI-S18-1100-BLK | PVI-S18-1100-CLR |
| | 17 | 0.047 | 1.19 | | | | PVI-S17-1100-BLK | PVI-S17-1100-CLR |
| | 16 | 0.053 | 1.35 | | | | PVI-S16-1100-BLK | PVI-S16-1100-CLR |
| | 15 | 0.059 | 1.50 | | | | PVI-S15-1100-BLK | PVI-S15-1100-CLR |
| | 14 | 0.066 | 1.68 | | | | PVI-S14-1100-BLK | PVI-S14-1100-CLR |
| | 13 | 0.076 | 1.93 | | | | PVI-S13-1100-BLK | PVI-S13-1100-CLR |
| | 12 | 0.085 | 2.16 | | | | PVI-S12-1100-BLK | PVI-S12-1100-CLR |
| | 11 | 0.095 | 2.41 | | | | PVI-S11-1100-BLK | PVI-S11-1100-CLR |
| | 10 | 0.106 | 2.69 | 0.020 | 0.51 | | PVI-S10-1100-BLK | N/A |
| | 9 | 0.118 | 3.00 | | | | PVI-S09-1100-BLK | |
| | 8 | 0.133 | 3.38 | | | | PVI-S08-1100-BLK | PVI-S08-1100-CLR |
| | 7 | 0.148 | 3.76 | | | | PVI-S07-1100-BLK | PVI-S07-1100-CLR |
| | 6 | 0.166 | 4.22 | | | | PVI-S06-1100-BLK | PVI-S06-1100-CLR |
| | 5 | 0.186 | 4.72 | | | | PVI-S05-1100-BLK | PVI-S05-1100-CLR |
| | 4 | 0.208 | 5.28 | | | | PVI-S04-1100-BLK | PVI-S04-1100-CLR |
| | 3 | 0.234 | 5.94 | | | | PVI-S03-1100-BLK | PVI-S03-1100-CLR |
| | 2 | 0.263 | 6.68 | | | | PVI-S02-1100-BLK | PVI-S02-1100-CLR |
| | 1 | 0.294 | 7.47 | | | | PVI-S01-1100-BLK | N/A |
| | 5/16" | 0.313 | 7.95 | 0.025 | 0.64 | | PVI-020-1100-BLK | PVI-020-1100-CLR |
| | 0 | 0.330 | 8.38 | | | | PVI-S00-1100-BLK | N/A |
| | 3/8" | 0.375 | 9.53 | | | | PVI-024-1100-BLK | PVI-024-1100-CLR |
| | 7/16" | 0.438 | 11.13 | | | | PVI-028-1100-BLK | N/A |
| | 1/2" | 0.500 | 12.70 | PVI-032-1100-BLK | | | | |
| | 5/8" | 0.625 | 15.88 | PVI-040-1100-BLK | | | | |
| | 3/4" | 0.750 | 19.05 | PVI-048-1050-BLK | | | | |
| | 1" | 1.000 | 25.40 | PVI-064-1050-BLK | | | | |
| | 2" | 2.000 | 50.80 | PVI-128-1050-BLK | | | | |
| | 9 | 0.118 | 3.00 | 0.020 | 0.51 | | 50 | |
| 9 | 0.118 | 3.00 | 0.020 | 0.51 | 1000 | PVI-S09-11000-BLK | | |
| 18 | 0.042 | 1.07 | 0.016 | 0.41 | 500 | N/A | PVI-S18-1500-CLR | |

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