

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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