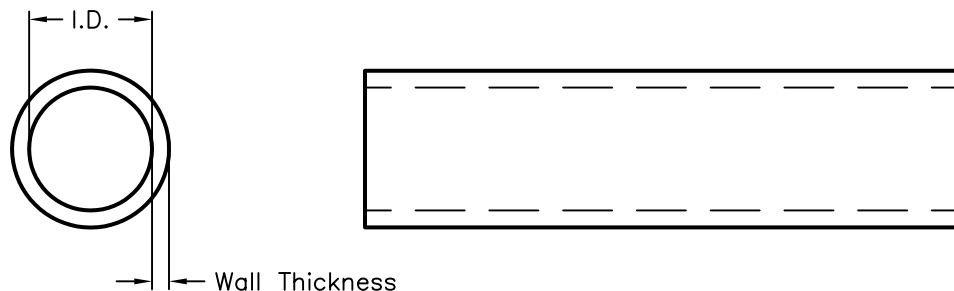


REVISIONS			DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398						
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
1201	E	UPDATED PART LIST	HYO	9/25/01	JC	9/26/01	JC	9/26/01	
1914	F	Update To RoHS Compliant	EO	5/29/06	HO	5/30/06	HO	5/30/06	



**SPECIFICATIONS:**

1. UL Subject 224 VW-1. CSA OFT, Size # 24 ~ Size # 1 rated for 300V, size 5/16 ~ 2" rated for 600V. ASTM D 922. AMS 3631. MIL-I-631D Grade C QPL Approved.
2. Operating Temperature Range: -20°C ~ 105°C.
3. UL File No. E52331



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 x 10 <sup>12</sup>
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

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	J.A.P.	2/26/93	PVC INSULATING TUBING			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	J.C.	3/12/93	A	TA-298	TA-298.DWG	F
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 2
J.L.	3/17/93					

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SPC Type No.		AWG Size	Nominal I.D		Nominal Wall Thickness		Spool Size (Feet)
Color Black	Color Clear		Inches	(mm)	Inches	(mm)	
PVI-S24-1100-BLK	PVI-S24-1100-CLR	24	0.022	0.56	0.012	0.30	100
PVI-S22-1100-BLK	PVI-S22-1100-CLR	22	0.027	0.69			
PVI-S20-1100-BLK	PVI-S20-1100-CLR	20	0.034	0.86	0.016	0.41	
PVI-S19-1100-BLK	N/A	19	0.038	0.97			
PVI-S18-1100-BLK	PVI-S18-1100-CLR	18	0.042	1.07			
PVI-S17-1100-BLK	PVI-S17-1100-CLR	17	0.047	1.19			
PVI-S16-1100-BLK	PVI-S16-1100-CLR	16	0.053	1.35			
PVI-S15-1100-BLK	PVI-S15-1100-CLR	15	0.059	1.50			
PVI-S14-1100-BLK	PVI-S14-1100-CLR	14	0.066	1.68			
PVI-S13-1100-BLK	PVI-S13-1100-CLR	13	0.076	1.93			
PVI-S12-1100-BLK	PVI-S12-1100-CLR	12	0.085	2.16			
PVI-S11-1100-BLK	PVI-S11-1100-CLR	11	0.095	2.41			
PVI-S10-1100-BLK	PVI-S10-1100-CLR	10	0.106	2.69	0.020	0.51	
PVI-S09-1100-BLK	PVI-S09-1100-CLR	9	0.118	3.00			
PVI-S08-1100-BLK	PVI-S08-1100-CLR	8	0.133	3.38			
PVI-S07-1100-BLK	PVI-S07-1100-CLR	7	0.148	3.76			
PVI-S06-1100-BLK	PVI-S06-1100-CLR	6	0.166	4.22			
PVI-S05-1100-BLK	PVI-S05-1100-CLR	5	0.186	4.72			
PVI-S04-1100-BLK	PVI-S04-1100-CLR	4	0.208	5.28			
PVI-S03-1100-BLK	PVI-S03-1100-CLR	3	0.234	5.94			
PVI-S02-1100-BLK	PVI-S02-1100-CLR	2	0.263	6.68	0.025	0.64	
PVI-S01-1100-BLK	N/A	1	0.294	7.47			
PVI-020-1100-BLK	PVI-020-1100-CLR	5/16"	0.313	7.95			
PVI-S00-1100-BLK	SPC10938	0	0.330	8.38			
PVI-024-1100-BLK	PVI-024-1100-CLR	3/8"	0.375	9.53			
PVI-028-1100-BLK	PVI-028-1100-CLR	7/16"	0.438	11.13			
PVI-032-1100-BLK	PVI-032-1100-CLR	1/2"	0.500	12.70			
PVI-040-1100-BLK	N/A	5/8"	0.625	15.88	0.030	0.76	50
PVI-048-1050-BLK	N/A	3/4"	0.750	19.05	0.035	0.89	
PVI-064-1050-BLK	PVI-064-1050-CLR	1"	1.000	25.40			
PVI-128-1050-BLK	PVI-128-1050-CLR	2"	2.000	50.80	0.06	1.52	

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SPC-F004.DWG

SIZE DWG. NO.

A

TA-298

ELECTRONIC FILE

TA-298.DWG

REV

F

DOC. NO. SPC-F004 \* Effective: 7/8/02 \* DCP No: 1398

SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 2 OF 2